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Water Resources Data
Idaho
Water Year 1986

Serial

COMPLETED

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ID-86-1
Prepared in cooperation with the State of Idaho
and with other agencies

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ORIGINAL

CALENDAR FOR WATER YEAR 1986

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Water Resources Data
Idaho
Water Year 1986

by W.A. Harenberg, M.L. Jones, I. O'Dell, and S.C. Cordes

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ID-86-1
Prepared in cooperation with the State of Idaho
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Idaho, write to
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Boise, Idaho 83702

1987

Preface

This volume of the annual hydrologic data report of Idaho is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface-, ground-, and quality-of-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by Federal, State, and local agencies and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who revised, edited, illustrated, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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16. Abstract (Limit: 200 words)

Water resources data for the 1986 water year for Idaho consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains discharge records for 248 gaging stations; stage only records for 2 gaging stations; stage only for 13 lakes and reservoirs; contents only for 23 lakes and reservoirs; water quality for 24 gaging stations and 52 wells; and water levels for 516 observation wells. Additional water data were collected at various sites, not involved in the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Idaho, adjacent States, and Canada.

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(D) Discharge, (C) Chemical, (B) Biological, (M) Microbiological,
(T) Water Temperature, (E) Elevation or Contents, (S) Sediment

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WATER RESOURCES DATA FOR IDAHO, 1986

INTRODUCTION

Water resources data for the 1986 water year for Idaho consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains discharge records for 248 gaging stations; stage only records for 2 gaging stations; stage only for 13 lakes and reservoirs; contents only for 23 lakes and reservoirs; water quality for 24 gaging stations and 52 wells; and water levels for 516 observation wells. Additional water data were collected at various sites, not involved in the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Idaho, adjacent States, and Canada.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey Water-Supply Papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these Water-Supply Papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of Water-Supply Papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of Water-Supply Papers entitled, "Ground-Water Levels in the United States." Water-Supply Papers may be consulted in the libraries of the principal cities in the United States or may be purchased from U.S. Geological Survey, Books and Open-File Reports, Federal Center, Bldg. 810, Box 25425, Denver, CO 80225.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water were published as an official Survey report on a State boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report ID-85-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161.

COOPERATION

The U.S. Geological Survey and organizations of the State of Idaho have had cooperative agreements for the systematic collection of streamflow records since 1909, for ground-water levels since 1946, and for water-quality records since 1965. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Idaho Department of Water Resources, A. Kenneth Dunn, Director

Idaho Department of Fish and Game, Jerry Conley, Director

Idaho Department of Health and Welfare, Rose Bowman, Director

Bear River Commission, W. N. Jibson, Chairman

Shoshone-Bannock Tribes, Fort Hall, Arnold Appenay, Chairman

Assistance in the form of funds or services was given by the U.S. Bureau of Reclamation, Department of the Interior, in collecting records for 20 gaging stations and 77 observation wells; U.S. Army Corps of Engineers, in collecting records for 23 gaging stations and 6 water-quality stations; U.S. Department of Energy, in collecting records for 6 gaging stations; U.S. Department of State, in collecting records for 6 gaging stations and 1 water-quality station; Bonneville Power Administration, Department of the Interior, in collecting records for 4 gaging stations; and U.S. Bureau of Land Management, Department of the Interior, in collecting records for 3 gaging stations.

The following organizations aided in collecting records:

Water Districts 01, 31, 33, 34, 37, 37N, and 65K; Oakley Canal Co.; Idaho Power Co.; Washington Water Power Co.; Utah Power & Light Co.; and Salmon River Canal Co.

Organizations that supplied data are acknowledged in station manuscript headings.

SUMMARY OF HYDROLOGIC CONDITIONS

Idaho hydrology is as diverse and complex as the topography that controls it. The southeastern corner of the State lies within the Great Basin and contributes inflow to the Great Salt Lake in Utah. Precipitation-runoff conditions in this area are greatly influenced by the Wasatch Range, which extends northward into Idaho from Utah and intercepts, or diverts to the north, the normal west-to-east storm track. Mountain ranges and intervening valleys divide the Great Basin on the southeast from the Snake River basin on the north. The Snake River flows into Idaho from Wyoming, where the Continental Divide forms the northern and eastern boundaries of the basin. In Idaho, the Snake River flows westward near the southern edge of the Snake River Plain, which extends the full east-west width of the State. Streams flowing southward from the mountains onto the eastern part of the plain infiltrate the surface; some completely disappear as they recharge the Snake River Plain aquifer. Water from the aquifer discharges into the Snake River from numerous large and small springs along a 30-mile reach above King Hill. North of the Snake River Plain lie a succession of north-south trending mountain ranges that extend into Canada. In this mountainous region, streams are deeply incised, valleys are narrow, and topographic relief commonly exceeds 5,000 feet; here the Bitterroot Range and the Cabinet Mountains form the natural border between Idaho and Montana. Only two streams, the Kootenai and Clark Fork Rivers, cut through this barrier, flowing westward into Idaho from Montana. The Coeur d'Alene, Clearwater, and Salmon Rivers head within the State. The Salmon River, classified as a Wild and Scenic River, has the distinction of being the longest river in the United States whose drainage basin is entirely within one state.

Precipitation, influenced by topography, varies widely throughout the State. It ranges from about 10 inches per year on most of the Snake River Plain to 20 or 30 inches per year in the southeastern highlands. Precipitation commonly is 40 or 50 inches per year over most of the central mountains but may exceed 60 inches per year in some areas. In the central and southern parts of the State, precipitation is normally seasonal with a winter maximum occurring mostly as snow. In northern Idaho, however, rain is the dominant form of precipitation.

Most streams throughout the State reach their annual peaks during spring snowmelt, but warm, wet Pacific storm fronts bringing heavy rains and thawing conditions to Idaho may cause extreme floods during the winter months as well. On small drainages, violent thunderstorms frequently cause annual peak flows during summer months.

Summary of Streamflow and Reservoir Conditions

The fall of 1985 was cool, with record amounts of precipitation at many Idaho locations. Most Idaho streams began the year with flows in the high to median range. November and December brought extremely cold and snowy weather to the entire Pacific Northwest. Streamflow remained in the median range in northern and eastern Idaho but receded to low flow elsewhere in the State as a result of the cold temperatures. Massive ice jams formed on the Snake and

Salmon Rivers at yearend and caused damage to low-lying property at Ontario, Oregon, and Salmon and Idaho Falls, Idaho. The National Weather Service at Boise reported that the 1985 calendar year ranked as the coldest in the Idaho record book.

The new year brought a welcome warming trend. By mid-January, both temperature and precipitation were back to normal. Streamflows were in the median range. February 1 snowpack throughout the region was about 100 percent of average. Mid-February brought a late winter thaw to northern Nevada and southern Idaho that caused severe flooding in many small basins. A small earth dam on Canyon Creek near Mountain Home failed on February 23; the resulting flood peak was 5,000 cubic feet per second. The flood washed out a small bridge on Idaho State Highway 51, and the road was closed for several days. Lapwai Creek near Lewiston reached a new peak of record of 3,380 cubic feet per second (recurrence interval 49 years) on February 23. This high flow damaged a section of U.S. Highway 95 near the town of Lapwai, and Idaho's major north-south route was closed for several days.

Unseasonably warm temperatures continued through March. The combination of local snowmelt and normal precipitation brought flow in many Idaho streams into the excessive range. The National Weather Service reported that Boiseans enjoyed the warmest March in 45 years; temperature departures ranged from +15 °F to +20 °F. April brought typical showery and unsettled spring weather to the region. Snowpacks were about normal, except in the upper Snake River basin, where they were well above average.

The warm spring was followed by an early summer heat wave. By late May, daytime temperatures reached 100 °F in most southern Idaho valleys. Spring runoff began about 3 weeks early and, by June 10, most Idaho streams had reached their respective annual peak flows. New peaks of record were established at many Idaho-operated stream-gaging stations. New maximum flow and recurrence interval data for selected sites are listed in table 1. Although excessive flows were predominant in most southern Idaho streams, flows in the low to median range persisted in the northern part of the State in the Kootenai, Pend Oreille, and Coeur d'Alene River basins.

June was generally warm and dry, July was cool, but August was unusually hot. Mountain snowpacks were depleted and streams receded rapidly throughout the summer until a wet September reversed the trend. Most Idaho streams flowed in the low to median range all summer except in the upper Snake River basin, where flows were excessive for the third consecutive year. Figure 1 shows flow volume and annual distribution of discharge compared with median discharge based on a 30-year period at four representative gaging stations.

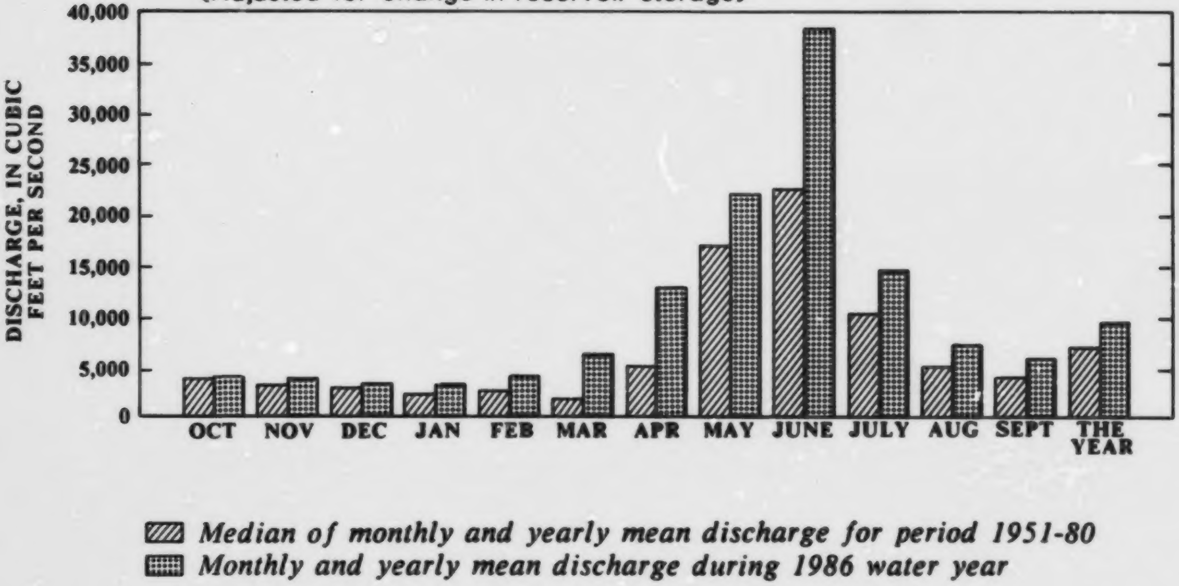
Irrigation and hydropower storage reservoirs throughout Idaho generally were full by June 1. Normal demand and withdrawal of stored water during the summer months left reservoir carryover at about average levels at yearend. Table 2 shows total storage on September 30, 1986, compared with data for September 30, 1985, and with the 1975-85 10-year average for three representative groups of reservoirs.

Table 1.--Selected 1986 water year new peaks of record

Gaging station number	Gaging station name	Drainage area (mi^2)	Foot-note	Date	Dis-charge (ft^3/s)	Recurrence interval (years)
13018750	Snake River bl Flat Creek nr Jackson, WY	2,627	R	June 6	25,600	100
13022500	Snake River ab reservoir nr Alpine, WY	3,465	R	June 6	31,300	67
13027500	Salt River ab reservoir nr Etna, WY	829		June 2	5,090	33
13037500	Snake River nr Heise, ID	5,752	R,A	June 18	27,000	3
13038500	Snake River at Lorenzo, ID	5,810	R,B	June 26	20,900	4
13057940	Willow Creek bl Tex Creek nr Ririe, ID	568		Apr. 23	1,490	
13120000	N. Fork Big Lost R. at Wildhorse nr Chilly, ID	114		May 30	1,440	31
13156000	Cold Springs Creek nr Hammett, ID	65		Feb. 18	1,400	
13159800	Canyon Cr. at Oregon Trail Crossing nr Mountain Home, ID	71	R	Feb. 23	1,420	
13289960	Wildhorse River at Brownlee Dam, ID	177		Mar. 8	3,590	93
13297355	Squaw Creek bl Bruno Creek nr Clayton, ID	79		May 29	755	53
13311000	E. Fork of S. Fork of Salmon R. at Stibnite, ID	20		May 31	394	55

R, Flow partly regulated by upstream reservoir.
A, Excluding 1927 flood peak of 60,000 ft^3/s from washout of Gros Ventre slide.
B, Excluding 1927 flood peak of 43,000 ft^3/s from washout of Gros Ventre slide.

Snake River near Heise, Idaho
Drainage area 5,752 mi²
(Adjusted for change in reservoir storage)



Portneuf River at Pocatello, Idaho
Drainage area 1,250 mi²

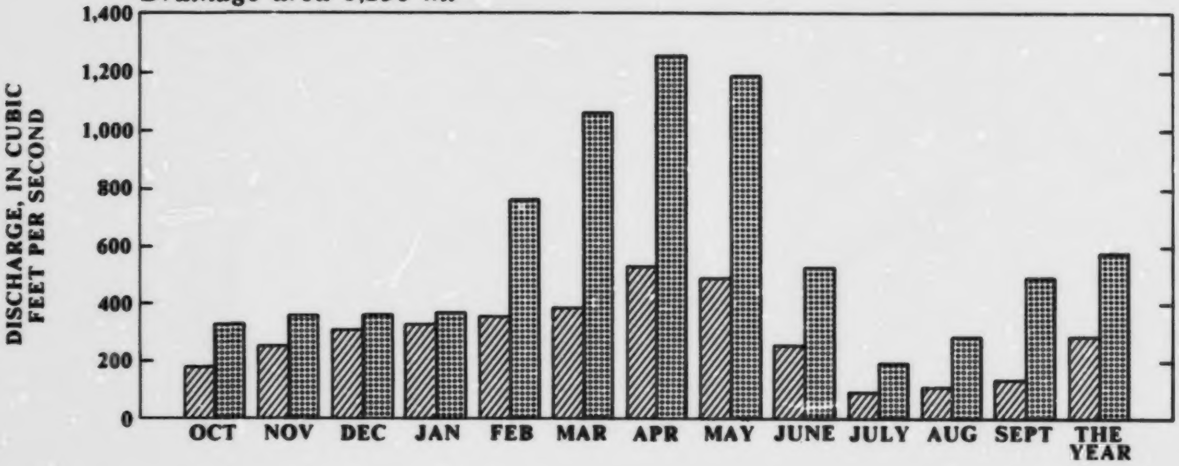
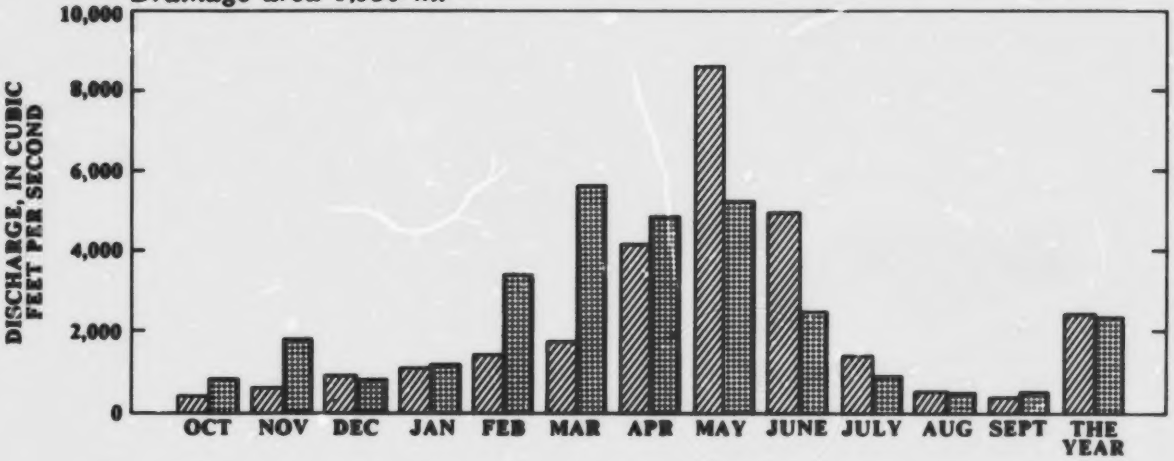


Figure 1.--Discharge during 1986 water year compared with median discharge for period 1951-80 for four representative gaging stations.

St. Joe River at Calder, Idaho
Drainage area 1,030 mi^2



▨ *Median of monthly and yearly mean discharge for period 1951-80*
▦ *Monthly and yearly mean discharge during 1986 water year*

Salmon River at White Bird, Idaho
Drainage area 13,550 mi^2

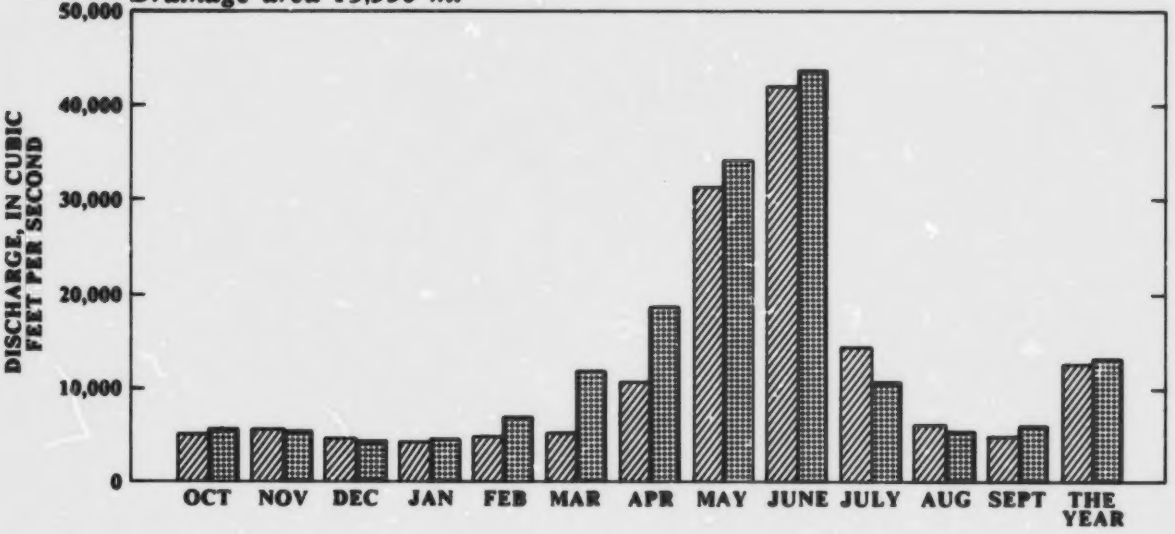


Figure 1.--Discharge during 1986 water year compared with median discharge period 1951-80 for four representative gaging stations--Continued

Table 2.--Comparative reservoir storage data
(Values in acre-feet)

Reservoir group	September 1985	September 1986	1976-85 average
Eight major irrigation reservoirs in upper Snake River basin	1,750,000	1,730,000	2,340,000
Six major irrigation reservoirs in Boise and Payette River basins	1,050,000	1,230,000	1,130,000
Three major power and flood-control reservoirs in northern Idaho	4,320,000	4,490,000	4,430,000

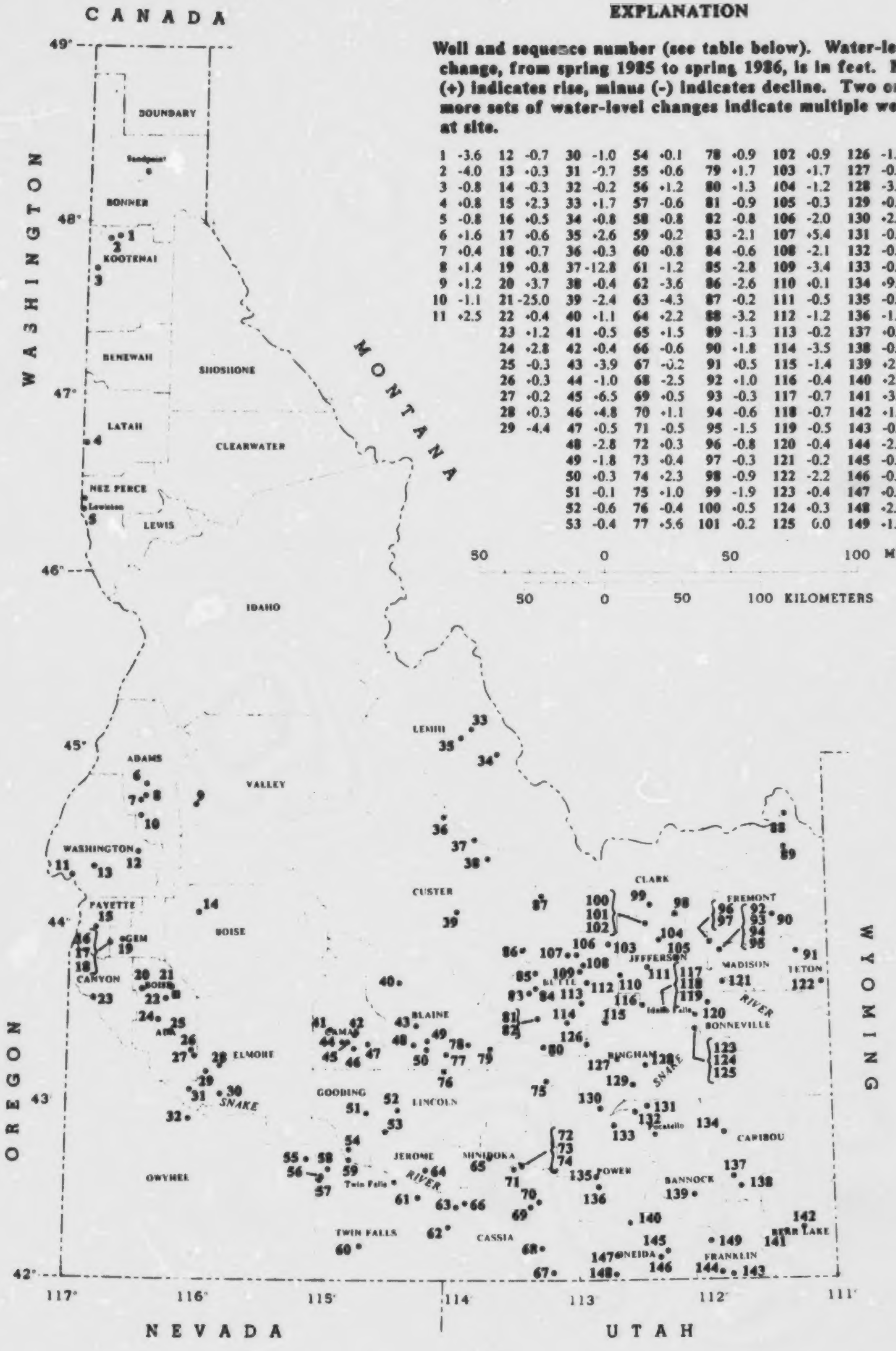
Summary of Ground-Water Conditions

Ground water is used principally for irrigated agriculture. The expansion of agriculture in Idaho during the past 25 years has resulted in heavy pumpage in some ground-water basins. Increased withdrawals for irrigation have prompted the Idaho Department of Water Resources to designate eight Critical Ground-Water Areas and three Ground-Water Management Areas.

The continued use of ground water has resulted in water-level declines in some aquifers. These declines in local and regional ground-water systems emphasize the need for, and implementation of, a comprehensive, statewide water-level monitoring program. Observation wells selected to monitor long-term changes in water levels in different areas of Idaho are shown in figure 2.

In 1986, water levels were measured annually, semiannually, quarterly, bimonthly, or monthly in 403 wells and continuously (sites equipped with automatic recorders) in 36 wells in the Federal-State cooperative observation-well network. In addition, water-level measurements were made bimonthly and monthly in 77 wells for the U.S. Bureau of Reclamation. Figures 28-34 (p. 464-470) show locations of observation wells in various parts of the State.

The Rathdrum Prairie aquifer in northern Idaho is the major source of potable water for Coeur d'Alene and Post Falls, Idaho, and Spokane, Washington. The U.S. Environmental Protection Agency has given the aquifer a sole-source designation. As such, the aquifer is protected from degradation by pollution. Water levels in the northern part of Rathdrum Prairie declined about 2.8 feet and declined about 0.8 foot in the southern part of the Prairie near Post Falls. Water levels in the Payette River valley in west-central Idaho rose an average of 0.8 foot. Water levels in the Weiser River valley ranged from a rise of 2.5 feet to a decline of 1.1 feet. Water levels in the Salmon and Lemhi River valleys in east-central Idaho rose about 1.7 feet; the largest rise was south of Salmon. Water levels rose 0.4 foot in the upper part of the Pahsimeroi Valley, declined 12.6 feet near Patterson, and rose 0.3 foot near the mouth.


CANADA
49°
48°
47°
46°
45°
44°
43°
42°
117°
116°
115°
114°
113°
112°
111°
WASHINGTON
MONTANA
OREGON
NEVADA
UTAH
WYOMING
BOUNDARY
Sandpoint
BONNER
KOOTENAI
BENEWAH
SHOSHONE
LATAH
CLEARWATER
NEZ PERCE
Lewiston
LEWIS
IDAHO
LEMHI
ADAMS
VALLEY
WASHINGTON
PAYETTE
GEM
BOISE
CANYON
ADA
ELMORE
CUSTER
CLARK
FREMONT
JEFFERSON
MADISON
TETON
BUTTE
Idaho Falls
BONNEVILLE
BLAINE
CAMAS
GOODING
LINCOLN
BINGHAM
SNAKE
RIVER
Pocatello
CARIBOU
JEROME
MINIDOKA
POWER
BANNOCK
Twin Falls
OWYHEE
TWIN FALLS
CASSIA
ONEIDA
FRANKLIN
BEAR LAKE

EXPLANATION

Well and sequence number (see table below). Water-level change, from spring 1985 to spring 1986, is in feet. Plus (+) indicates rise, minus (-) indicates decline. Two or more sets of water-level changes indicate multiple wells at site.

1	-3.6	12	-0.7	30	-1.0	54	+0.1	78	+0.9	102	+0.9	126	-1.3
2	-4.0	13	+0.3	31	-0.7	55	+0.6	79	+1.7	103	+1.7	127	-0.7
3	-0.8	14	-0.3	32	-0.2	56	+1.2	80	+1.3	104	-1.2	128	-3.1
4	+0.8	15	+2.3	33	+1.7	57	-0.6	81	-0.9	105	-0.3	129	+0.7
5	-0.8	16	+0.5	34	+0.8	58	+0.8	82	-0.8	106	-2.0	130	+2.9
6	+1.6	17	+0.6	35	+2.6	59	+0.2	83	-2.1	107	+5.4	131	-0.4
7	+0.4	18	+0.7	36	+0.3	60	+0.8	84	-0.6	108	-2.1	132	-0.3
8	+1.4	19	+0.8	37	-12.8	61	-1.2	85	-2.8	109	-3.4	133	-0.9
9	+1.2	20	+3.7	38	+0.4	62	-3.6	86	-2.6	110	+0.1	134	+9.3
10	-1.1	21	-25.0	39	-2.4	63	-4.3	87	-0.2	111	-0.5	135	-0.6
11	+2.5	22	+0.4	40	+1.1	64	+2.2	88	-3.2	112	-1.2	136	-1.7
		23	+1.2	41	+0.5	65	+1.5	89	-1.3	113	-0.2	137	+0.2
		24	+2.8	42	+0.4	66	-0.6	90	+1.8	114	-3.5	138	-0.3
		25	-0.3	43	+3.9	67	-0.2	91	+0.5	115	-1.4	139	+2.1
		26	+0.3	44	-1.0	68	-2.5	92	+1.0	116	-0.4	140	+2.2
		27	+0.2	45	+6.5	69	+0.5	93	-0.3	117	-0.7	141	+3.8
		28	+0.3	46	+4.8	70	+1.1	94	-0.6	118	-0.7	142	+1.6
		29	-4.4	47	+0.5	71	-0.5	95	-1.5	119	-0.5	143	-0.2
				48	-2.8	72	+0.3	96	-0.8	120	-0.4	144	-2.6
				49	-1.8	73	+0.4	97	-0.3	121	-0.2	145	-0.5
				50	+0.3	74	+2.3	98	-0.9	122	-2.2	146	-0.1
				51	-0.1	75	+1.0	99	-1.9	123	+0.4	147	+0.3
				52	-0.6	76	-0.4	100	+0.5	124	+0.3	148	+2.0
				53	-0.4	77	+5.6	101	-0.2	125	0.0	149	+1.0

50 0 50 100 MILES
50 0 50 100 KILOMETERS

Figure 2.--Water-level changes in selected observation wells.

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In Boise Valley, southwest Idaho, water levels in the shallow aquifer, which is recharged largely from infiltration of water in unlined irrigation canals and ditches, rose about 2.6 feet. In areas of Boise Valley where ground water is extensively withdrawn from the deep aquifer for irrigation, water levels showed no significant change, except along the Boise front, where water in one well declined 25.0 feet. In areas of ground-water development on the Mountain Home plateau, water levels continued a long-term decline and were 0.3 foot to 4.4 feet lower. In the area south of the Snake River between Bruneau and Grand View, water levels declined about 0.2 foot.

From spring 1985 to spring 1986, ground-water levels in the water-table aquifer in Big Wood River valley, south-central Idaho, ranged from a rise of 5.6 feet near Picabo to a decline of 2.8 feet near Gannett. Water levels in the artesian aquifer declined 2.8 feet in the western part of the valley and rose 0.2 foot in the southern part of the valley. In the Little Wood River valley, water levels rose 0.9 foot in the shallow aquifer and 0.6 foot in the deep aquifer.

During this same period, water levels in Big Lost River valley declined 2.4 feet in the upper part of the valley, 2.7 feet in the middle part, and 2.1 feet in the lower part. Water levels in Little Lost River valley declined 0.2 foot in the upper part, rose 5.4 feet near Howe in the lower part, and declined 3.4 feet at the mouth where the valley joins the Snake River Plain. Water levels in the Camas Prairie (Fairfield area) rose about 0.3 foot in the artesian aquifer and 3.0 feet in the water-table aquifer. In the Snake River Plain aquifer, near the heavily pumped Rupert-Minidoka area, water levels rose about 0.8 foot. Water levels in the Jerome, Eden, and Shoshone areas, which are recharged largely from infiltration of water in unlined irrigation canals and ditches, ranged from a rise of 2.2 feet to a decline of 0.6 foot. Near Gooding and south of Wendell, water levels showed no significant change. Water levels in the tributary valleys south of the Snake River ranged from a rise of 1.1 feet to a decline of 4.3 feet. In the Blue Gulch area, water levels rose about 0.9 foot.

In southeastern Idaho between American Falls and Idaho Falls, water levels ranged between 2.9 feet higher and 3.1 feet lower in the spring of 1986 than in the spring of 1985. Water levels in the central part of the Snake River Plain aquifer declined an average of 0.5 foot. Water levels in the Portneuf River valley ranged from a rise of 9.3 feet to a decline of 0.8 foot. Water levels in the Mud Lake area ranged from a rise of 0.9 foot to a decline of 1.9 feet. Ground-water levels in the Island Park area declined 0.9 foot. In the Henrys Fork area, water levels declined about 0.4 foot. Water levels in the Malad Valley rose about 0.6 foot. In the Bear River valley, water levels ranged from a rise of 3.8 feet to a decline of 2.6 feet.

Summary of Water-Quality Conditions

Water-quality data have been collected for several years at seven NASQAN and three benchmark stations. The water chemistry varies considerably in Idaho owing to the diverse geology. Dissolved-solids concentrations are higher in waters from the southern region of the State and lower in waters from the central and northern regions.

Statistical means of selected water-quality characteristics for the period 1970-85 are compared with those from the current water year in the following table. The table indicates no significant changes in water chemistry during water year 1986.

Table 3.—Comparative water-quality characteristics
[—, no sediment collected at Snake River at Hells Canyon Dam]

Station name and number	pH		Dissolved solids (sum of constituents)		Alkalinity ($CaCO_3$)		Suspended sediment (mg/L)		Fecal coliform (colonies/100 mL)	
	Mean 1986	Mean 1970-85	Mean 1986	Mean 1970-85	Mean 1986	Mean 1970-85	Mean 1986	Mean 1970-85	Mean 1986	Mean 1970-85
Kootenai River at Porthill, ID 12322000	8.0	7.7*	110	110*	95	87*	14	17*	7	21*
Hayden Cr. bl N.F. nr Hayden Lake, ID 12416000	7.5	7.1	45	48	30	31	3	14	11	43
Cache Creek nr Jackson, WY 13018300	8.3	8.3	190	180	180	169	50	26	68	17
Snake River nr Heise, ID 13037500	8.1	8.0	230	230	152	137	32	21	15	24
Snake River at King Hill, ID 13154500	8.4	8.3	290	310	170	176	45	20	15	33
Big Jacks Creek nr Bruneau, ID 13169500	8.2	8.2	100	110	51	56	226	121	100	143
Snake River at Weiser, ID 13269000	8.7	8.6	250	270	145	152	68	58	74	399
Snake River at Hells Canyon Dam 13290450	8.2	8.2	220	260	132	142	—	—	2	8
Salmon River at White Bird, ID 13317000	8.3	7.9	85	92	60	61	10	31	28	16
Clearwater River at Spalding, ID 13342500	7.3	7.2	38	35	16	19	13	32	17	161

* NASQAN site relocated from Copeland to Porthill September 1983. The mean (1970-84) is based on Copeland record (records are assumed comparable).

Three NASQAN sites, Kootenai River at Porthill, Idaho, Snake River at Hells Canyon, and Snake River at Weiser were discontinued at the end of the water year. Daily suspended-sediment sampling on the Kootenai River at Porthill was continued.

Suspended-sediment and bedload sampling on the South Fork Salmon River near Krassel Ranger Station that began April 1985 was discontinued June 1986. Collection of suspended-sediment and bedload samples continued on Little Granite and Granite Creeks in the Hoback River basin. Suspended sediment also was collected on the Clark Fork near Cabinet, Idaho.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report are defined below. See also the table for converting English units to International System of units (SI) on the inside back cover.

Acre-foot (ac-ft, AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Adenosine triphosphate (ATP) is the primary energy donor in cellular life processes. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at the stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Alkalinity refers to the capability of water to neutralize acids. The presence of carbonates, bicarbonates, and hydroxides is the most common cause of alkalinity in natural waters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5 °C ±0.2 °C on m-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35 °C ±1.0 °C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms which produce colonies within 24 hours when incubated at 35 °C ±0 °C on M-endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the weight of residue present after drying in an oven at 60 °C for zooplankton and 105 °C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (ft^3/s, FT^3/S) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or body of impounded surface water, together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (UG/G, μg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, μg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (ML) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (MM or mm), of suspended sediment or bed material determined either by sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (MM)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation
Silt..........	.004 - .062	Sedimentation
Sand..........	.062 - 2.0	Sedimentation or sieve
Gravel........	2.0 - 64.0	Sieve

The particle size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Periphyton is the assemblage of micro-organisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton are the plants of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the equality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue-green pigment in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton are the animal parts of the plankton. Zooplankton are capable of extensive movements within the water column and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCB's) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Primary production is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time (mg C/[m^2 · time] for periphyton and macrophytes and mg C/[m^3 · time]) for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light- and dark-bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time (mg $O_2/[m^2 \cdot time]$ for periphyton and macrophytes and mg $O_2/[m^3 \cdot time]$) for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Runoff in inches (IN) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transformed by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on an 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and, thus, the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constitutent.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 feet above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (TONS/DAY) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on an 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total sediment discharge (TONS/DAY) is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reaction with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known, especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in S/cm or US/CM (microsiemens per centimeter at 25 °C). Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids concentration of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens per centimeter). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff," as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured in acres by a planimeter. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 feet) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on an 0.45-micrometer filter.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	*Hexagenia*
Species	*Hexagenia limbata*

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature, whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual basic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1985, is called the "1985 water year."

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 13317000, which appears just to the left of the station name, includes the 2-digit part number "13" plus the 6-digit downstream order number "317000."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 3 below.

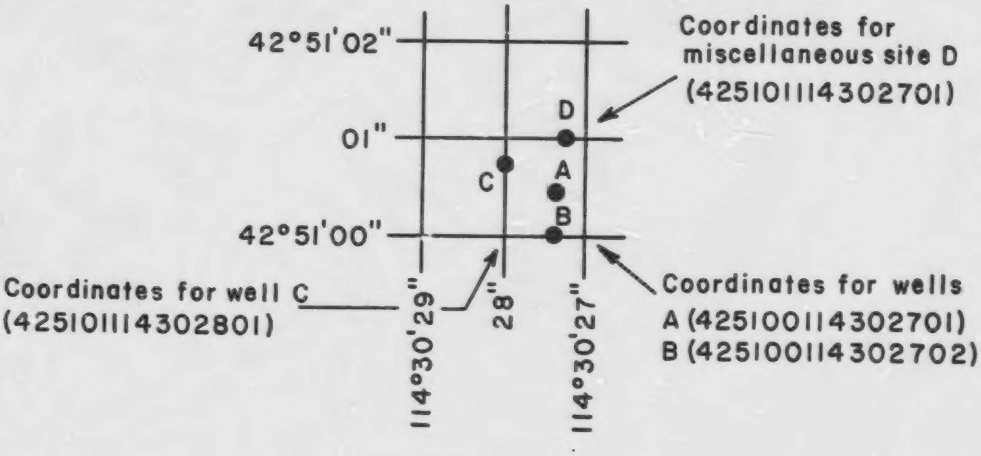

42°51'02"
01"
42°51'00"
Coordinates for miscellaneous site D
(425101114302701)
D
A
B
C
Coordinates for well C
(425101114302801)
114°30'29"
28"
114°30'27"
Coordinates for wells
A (425100114302701)
B (425100114302702)

Figure 3.--System for numbering wells and miscellaneous sites (latitude and longitude).

Idaho Well-Numbering System

The well-numbering system used by the Geological Survey in Idaho indicates the location of wells within the official rectangular subdivisions of the public lands, with reference to the Boise base line and meridian. The first segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The letters following the section number indicate the well location within the section: The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract in which the well occurs. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter (fig. 4). The last numeral is a serial number assigned when the well is inventoried. Thus, well 53N-04W-28CAB1 is in the NW¼NE¼SW¼ sec. 28, T. 53 N., R. 4 E., and is the first well inventoried in that tract.

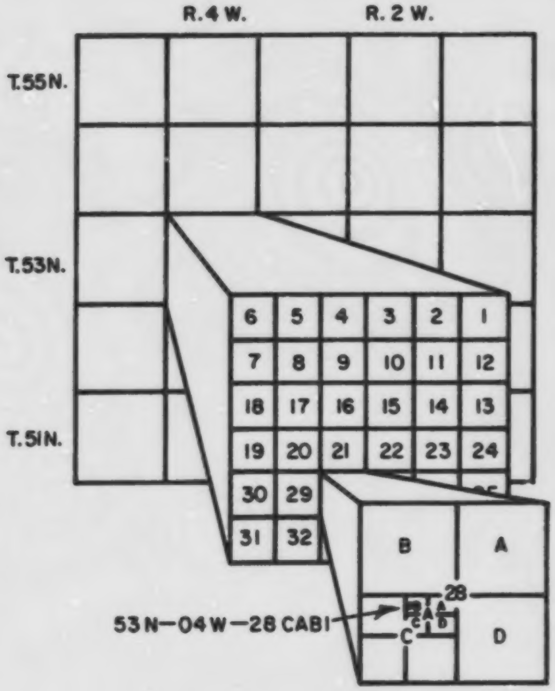


Figure 4.--Diagram showing Idaho well-numbering system.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-to-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes and reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and the yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations, the stage-discharge relation is affected by changing stage; at these stations, the rate of change in stage is used as a factor in computing discharge.

At some gaging stations, the stage-discharge relation is affected by ice during the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute the daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the U.S. Army Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously, if a significant error in published records was discovered, a revision was published in the first report following discovery of the error. This paragraph then served to document for users all the reports in which revisions had been published for the station and the water years to which the revisions applied. However, beginning with the 1983 water year, revisions will no longer be published, but appropriate changes will be made in WATSTORE files. All previous revisions are, of course, in WATSTORE, and users are encouraged to obtain all required data from the WATSTORE computer files (see the section, "Access to WATSTORE Data").

Under "REVISED RECORDS," a year listed without qualification indicates that daily, monthly, or annual discharges were revised. The qualifications (M), (m), and (P) mean that only the instantaneous maximum, the instantaneous or daily minimum, and flood peaks above the base, respectively, have been revised. A "W" for "WATSTORE" will be shown, replacing the name of the data report in which the revised values would previously have been published, for all revisions made after 1982. For example, the notation for indicating that the 1979 water-year daily values for a particular station in Idaho have been revised during the 1983 water year would no longer be "WDR ID-83-1: 1979," but "W 1983: 1979." If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

The type of gage currently in use, the datum of the present gage above the National Geodetic Vertical Datum of 1929 (unless otherwise qualified), and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record; second, information available outside the period of record; and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents) it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations, peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR;" if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

Skeleton rating tables are published, immediately following "EXTREMES," for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN") or in acre-feet (line headed "AC-FT"). Figures of cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cubic foot per second; to tenths between 1.0 and 10 cubic feet per second; to whole numbers between 10 and 1,000 cubic feet per second, and to 3 significant figures above 1,000 cubic feet per second. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the State Office.

Records of Discharge Collected by Agencies Other Than the Geological Survey

Records of discharge not published by the Geological Survey were collected in the current water year by other State and Federal agencies. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

Access to WATSTORE Data

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the Water Resources Division's State Office (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The U.S. Geological Survey operates two surface-water quality monitoring networks--the National Stream Accounting Network (NASQAN) and the National Hydrologic Benchmark Network. In Idaho, surface-water quality data are collected at NASQAN sites on the Snake, Salmon, Clearwater, and Kootenai Rivers, and at hydrologic benchmark sites on Big Jacks and Hayden Creeks. Surface-water quality data are also collected at various sites for other Federal, State, and local agencies. Ground-water quality data are not routinely collected on a statewide basis. Rather, data collected are associated with specific projects in cooperation with other Federal, State, and local agencies. Along the Thousand Springs reach of the Snake River, between Twin Falls and Hagerman, Idaho, water-quality data are routinely collected at selected springs in cooperation with the Idaho Department of Water Resources.

The descriptive heading for water-quality records gives the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analyses of the ground water.

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily, or in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

Ground-water level data from the statewide network of observation wells are published herein. This network is designed so that the fewest number of wells are used to obtain the most significant data in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 3.

Measurements are made in many types of wells under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above NGVD of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot.

Aquifer Names

The names of aquifers and their geologic ages adopted for use in Idaho are from the stratigraphic names listed in the Idaho section of the U.S. Geological Survey Bulletins 1056-B, 1200, and 1395-A. Names will be modified where necessary as official changes in stratigraphic nomenclature occur.

If a formal name has not been assigned to the aquifer, the lithology and its age are used to designate the water-bearing unit. Although some wells are supplied by more than one aquifer, only the major aquifer penetrated by the well is given in the well description.

Well Descriptions

For each well, the well description includes, if available, the following information: Latitude-longitude number, Idaho well number, owner, method of construction, use of well, type of well (artesian or water table), formal aquifer name or lithology and geologic age, diameter of casing, depth of well, depth of perforations or screen, altitude of land-surface datum, remarks of unusual conditions affecting the water level, acknowledgment of outside persons or agencies contributing data, and a description of the measuring point. The depth of the well at the time it was originally inventoried is given in the well description. If the well has been deepened or filled in, the new depth and date the change was discovered are noted following the notation of land-surface datum.

When a well is added to the State observation-well network, all its prior water-level measurements may be obtained from the Idaho Office.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Books and Open- File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 Pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS-TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. *Fluvial sediment concepts* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment.* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations.* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics.* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy.* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water.* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples.* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments.* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sedments,* by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. *Laboratory theory and methods for sediment analysis.* by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water.* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells.* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages

8-A2. *Installation and service manual for U.S. Geological Survey manometers* by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters.* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

The following figures 5-12 show locations of surface-water and water-quality stations in various parts of Idaho. Shading indicates areas of detailed study. Data for these areas are listed in this report, but individual collection sites are not shown.

EXPLANATION

PART 13	River basin boundary and number
▲ 302500	Gaging station and number, inverted symbol indicates water-quality station
▼	Chemical-measurement site
▼	Temperature-measurement site
▼	Biological-measurement site
▼	Sediment-measurement site

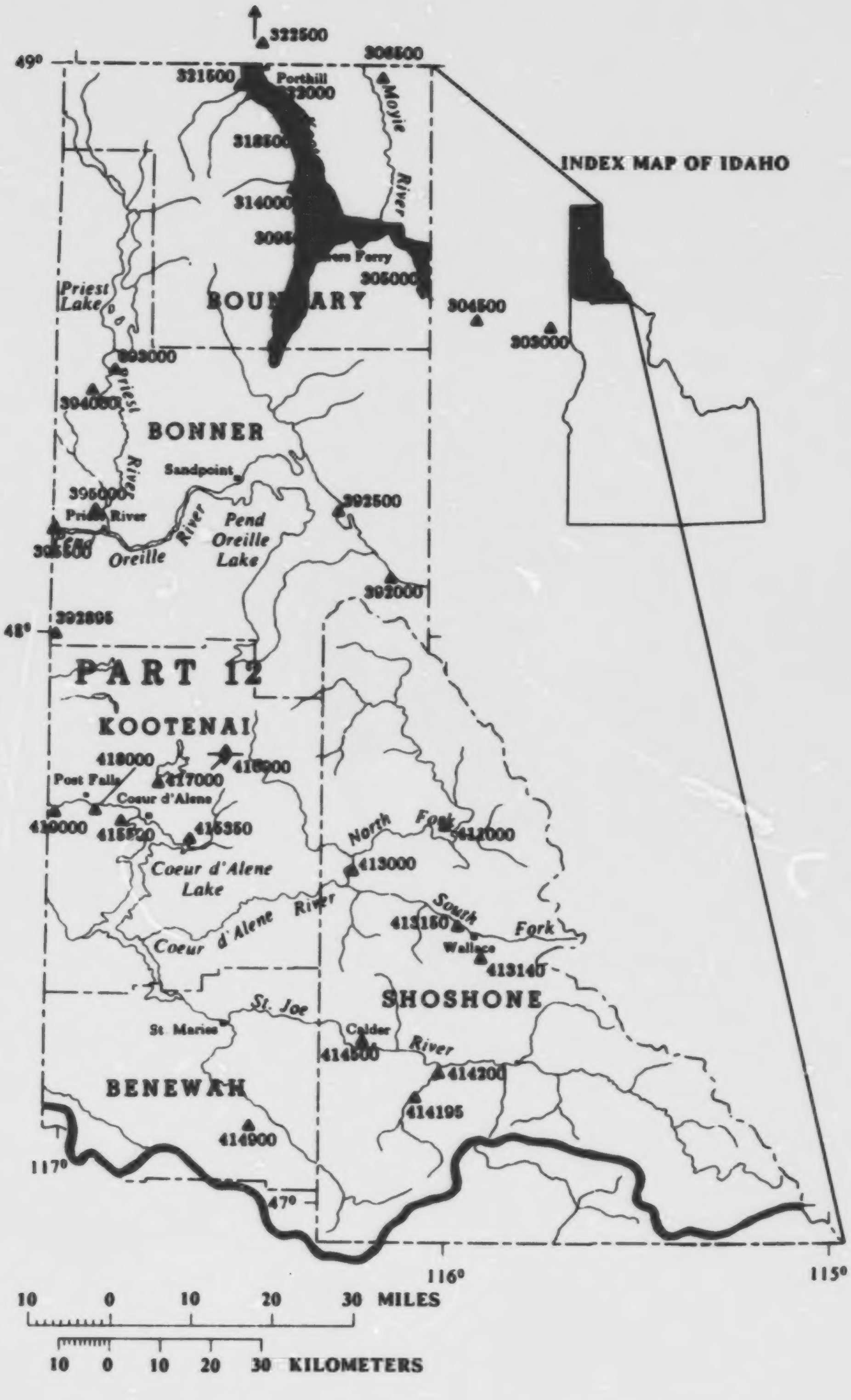
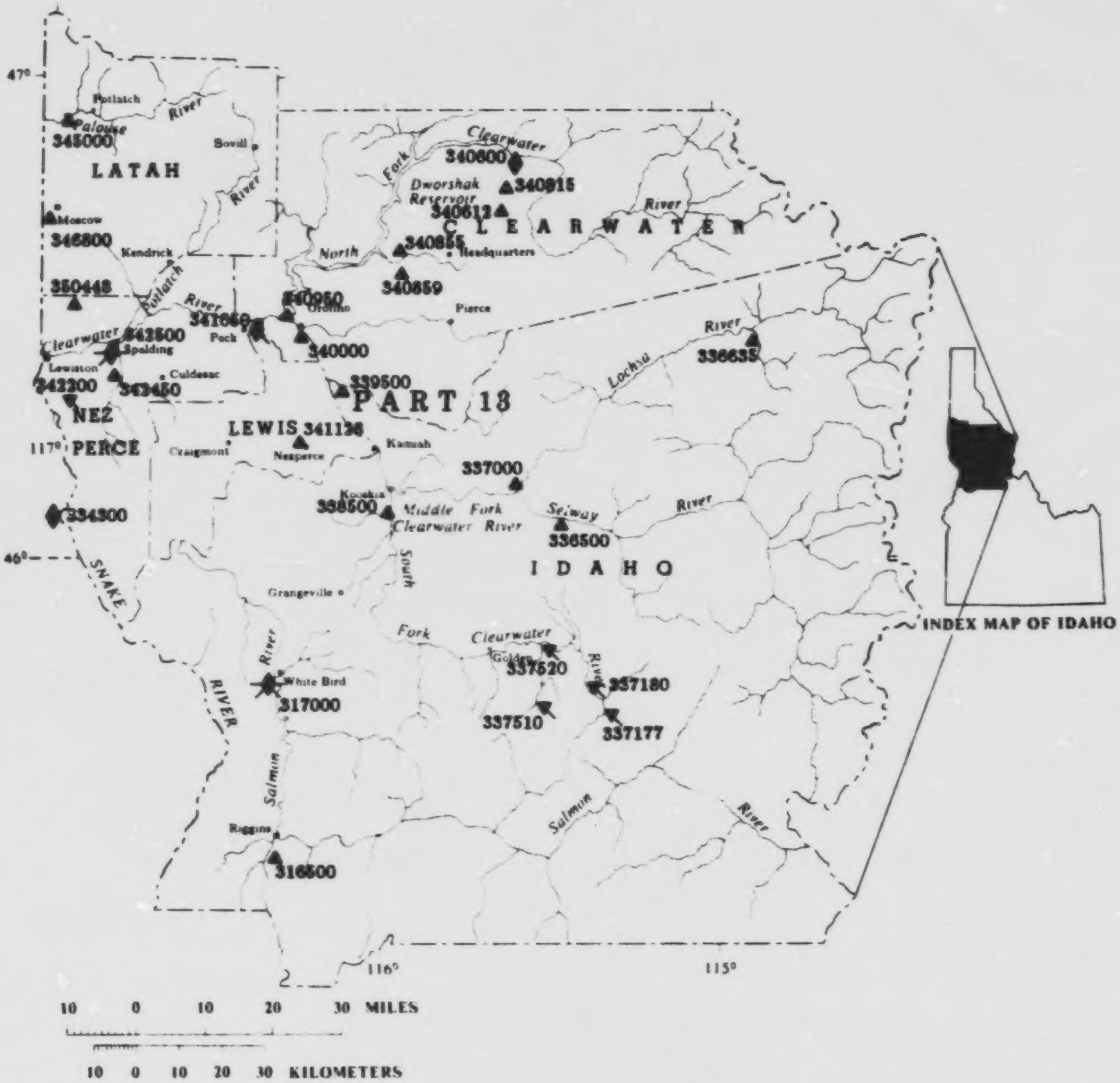

INDEX MAP OF IDAHO
322500
49°
308500
321500
Porthill
322000
Moyie
River
318500
314000
309
Bonners Ferry
305000
BOUNDARY
Priest Lake
304500
303000
393000
Priest
394000
BONNER
River
Sandpoint
395000
Priest River
392500
Pend
Oreille
River
Pend Oreille Lake
395500
392000
48°
392805
PART 12
KOOTENAI
418000
416500
Post Falls
417000
Coeur d'Alene
419000
415800
415350
North Fork
412000
413000
Coeur d'Alene Lake
South Fork
Coeur d'Alene River
413150
Wallace
413140
SHOSHONE
St. Joe
St. Maries
Calder
River
414500
414200
414195
BENEWAH
414900
117°
47°
116°
115°
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS

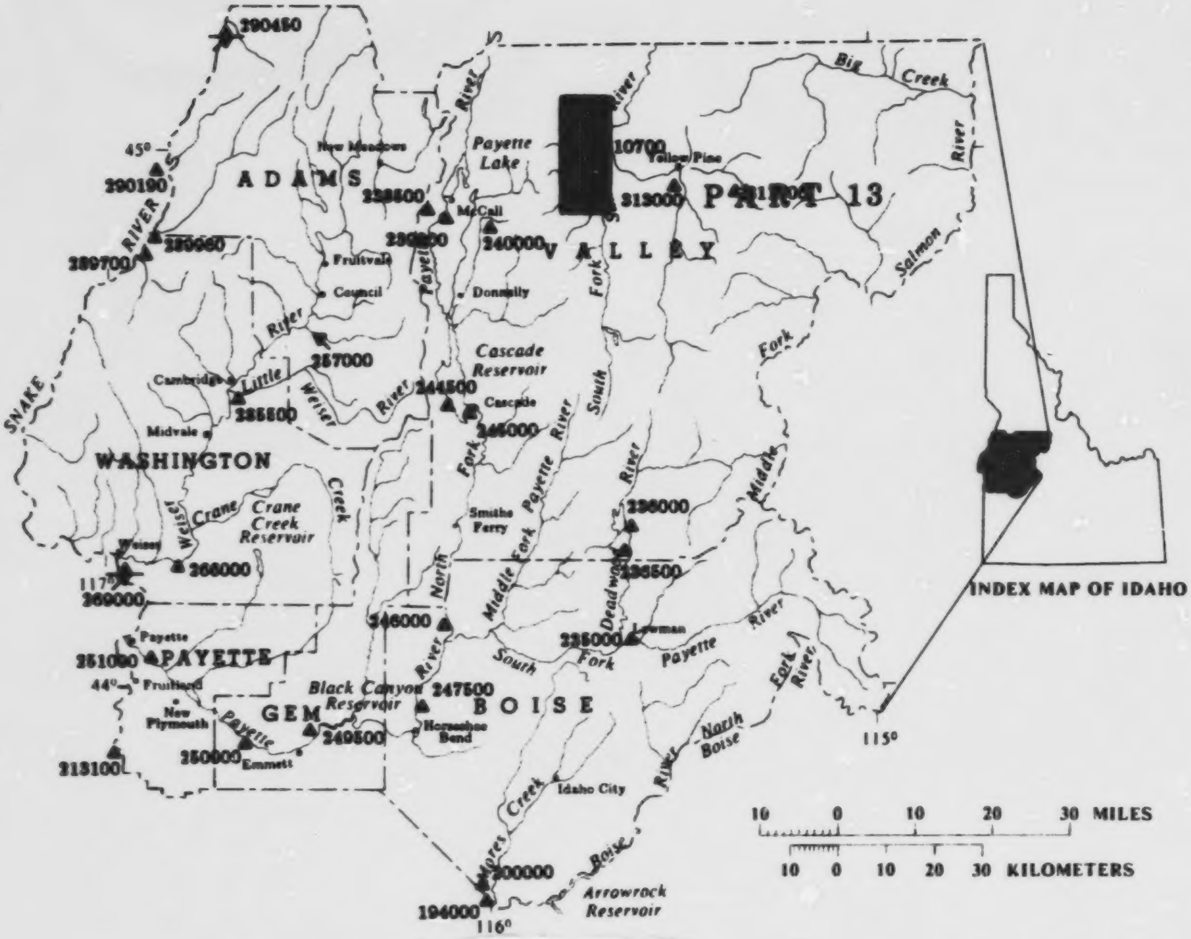
Figure 5.--Location of surface-water and water-quality stations in north Idaho.

BEST COPY AVAILABLE


47°
Potlatch
Palouse
345000
River
Bovill
LATAH
River
Moscow
346800
Kendrick
350448
Potlatch
River
Clearwater
342500
Spalding
341060
340950
Orofino
Peck
340000
Lewiston
Culdesac
342200
343450
NEZ
PERCE
117°
Craigmont
LEWIS 341126
Nezperce
Kamiah
339500
PART 13
Clearwater
340600
340915
Dworshak Reservoir
340612
CLEARWATER
Fork
North
340855
Headquarters
340859
Pierce
River
Lochsa
River
336635
337000
Kooskia
338500
Middle Fork
Clearwater River
Selway
River
336500
334300
46°
SNAKE
IDAHO
Grangeville
South
Fork
Clearwater
River
Golden
337520
337180
337510
337177
White Bird
317000
River
RIVER
Salmon
Riggins
316500
Salmon
River
116°
115°
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
INDEX MAP OF IDAHO

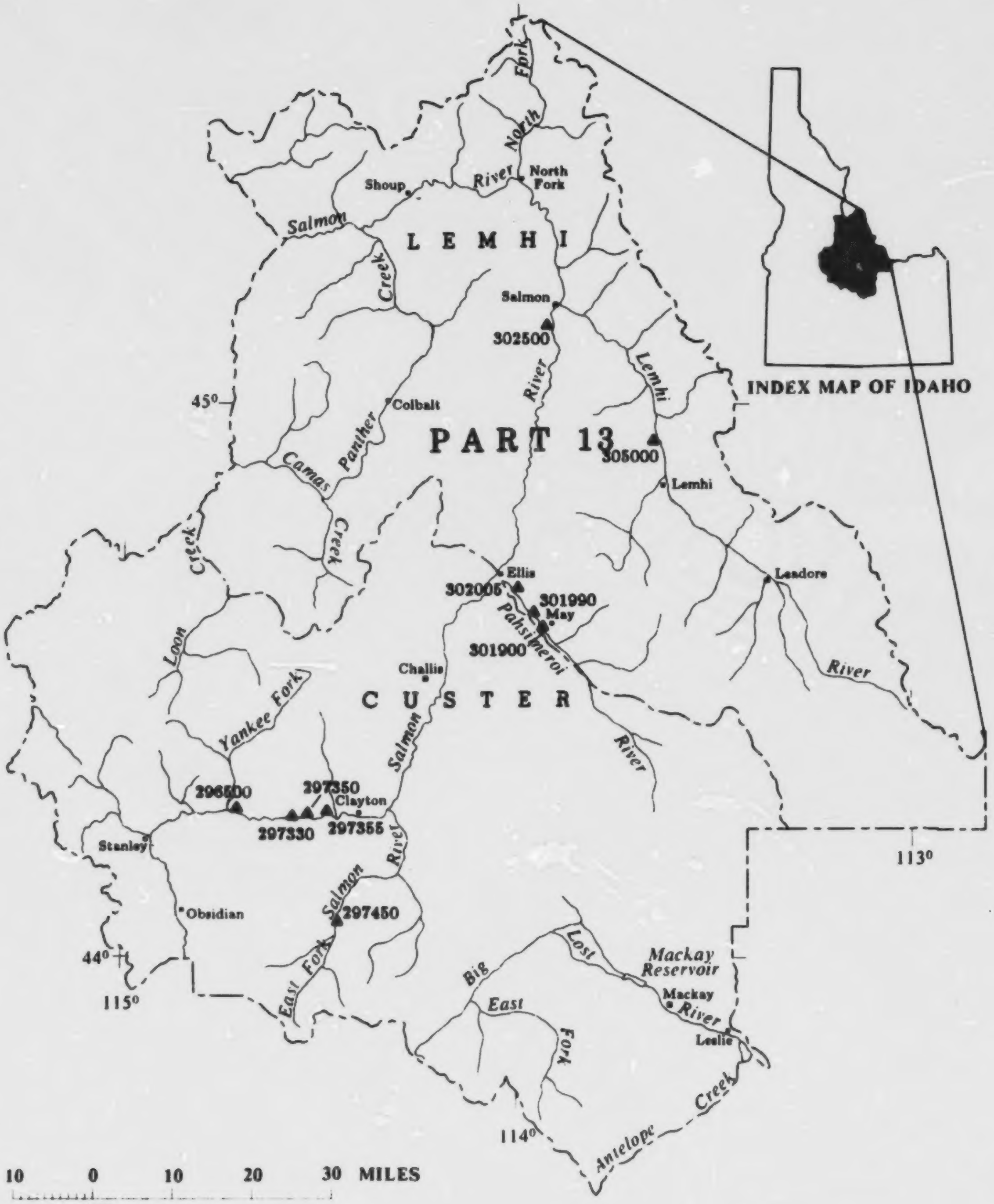
BEST COPY AVAILABLE

Figure 6.--Location of surface-water and water-quality stations in north-central Idaho.


290450
45°
290190
ADAMS
New Meadows
Payette Lake
McCall
240000
10700
Yellow Pine
313000
PART 13
VALLEY
Big Creek
River
Salmon
Fork
289700
RIVER
Fruitvale
Council
Donnelly
River
257000
Cascade Reservoir
Cambridge
Little
285500
Weiser
River
244500
Cascade
246000
SNAKE
Midvale
WASHINGTON
Crane
Crane Creek Reservoir
Creek
South
Fork
Payette
River
Middle
236000
236500
Smiths Ferry
Weiser
266000
117°
269000
North
Deadwood
Payette
251000
PAYETTE
44°
Fruitland
New Plymouth
246000
River
South
Fork
235000
Lowman
Payette
River
Black Canyon Reservoir
247500
GEM
249500
Horseshoe Bend
BOISE
Fork
River
North
Boise
250000
Emmett
213100
Idaho City
Creek
Mores
River
Boise
200000
194000
116°
Arrowrock Reservoir
115°
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
INDEX MAP OF IDAHO

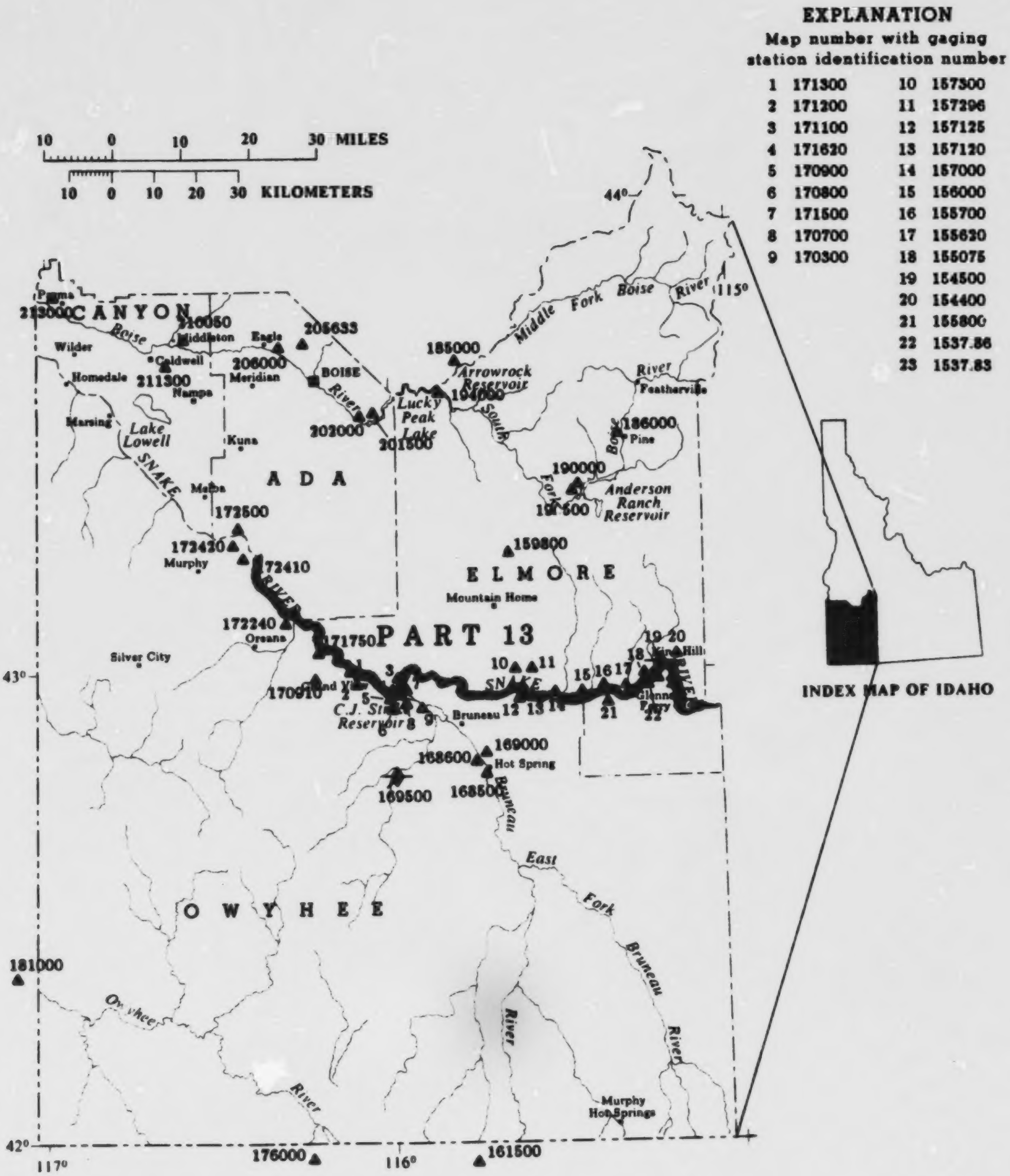
BEST COPY AVAILABLE

Figure 7.--Location of surface-water and water-quality stations in west-central Idaho.


INDEX MAP OF IDAHO
North Fork
Shoup
River
Salmon
L E M H I
Creek
Salmon
302500
River
Lemhi
Colbalt
Panther
Camas
PART 13
305000
Lemhi
Creek
Creek
Ellis
302005
301990
May
Pahsimeroi
301900
Leadore
River
Challis
Loon
Yankee Fork
C U S T E R
Salmon
River
296500
297350
Clayton
297330
297355
Stanley
River
Obsidian
Salmon
297450
East Fork
Big
Lost
Mackay Reservoir
Mackay
River
Leslie
East
Fork
Antelope
Creek
45°
44°
115°
114°
113°
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS

BEST COPY AVAILABLE

Figure 8.--Locations of surface-water and water-quality stations in east-central Idaho.



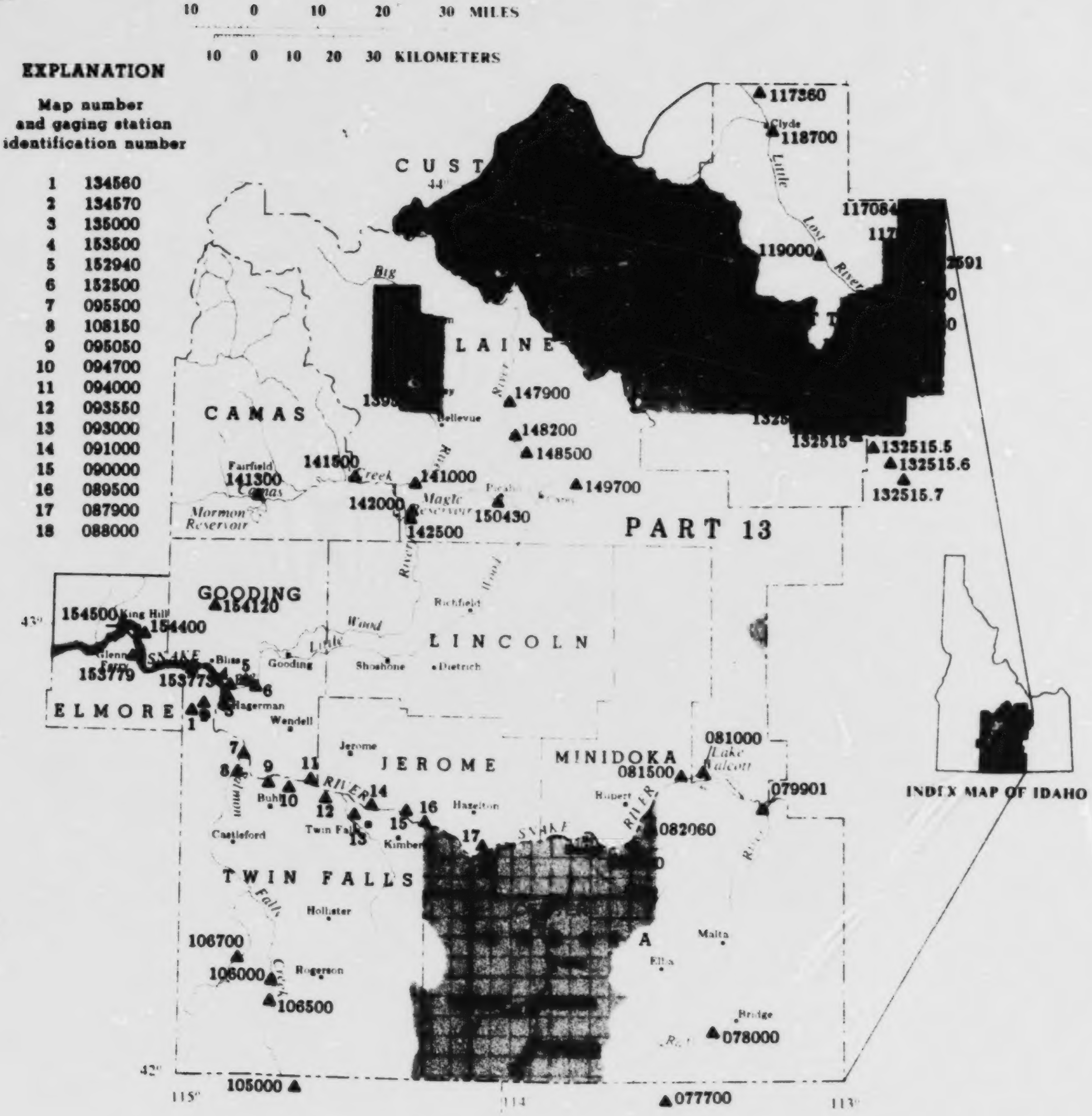
EXPLANATION
Map number with gaging station identification number

1	171300	10	157300
2	171200	11	157296
3	171100	12	157125
4	171620	13	157120
5	170900	14	157000
6	170800	15	156000
7	171500	16	155700
8	170700	17	155620
9	170300	18	155075
		19	154500
		20	154400
		21	155800
		22	1537.86
		23	1537.83

10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
44°
115°
43°
42°
117°
116°
CANYON
ADA
ELMORE
OWYHEE
PART 13
Parma
213000
210050
Middleton
Eagle
205633
Wilder
Caldwell
206000
Meridian
BOISE
Homedale
211300
Nampa
Marsing
Lake Lowell
Kuna
Boise River
SNAKE RIVER
202000
201500
Lucky Peak Lake
185000
Arrowrock Reservoir
194000
Middle Fork Boise River
South Fork Boise River
Featherville
186000
Pine
190000
191500
Anderson Ranch Reservoir
Melba
172500
172420
Murphy
172410
159800
Mountain Home
172240
Oreana
171750
Silver City
170910
Grand View
C.J. Strike Reservoir
Bruneau
Glenns Ferry
Hill City
169000
168600
Hot Spring
169500
168500
Bruneau River
East Fork Bruneau River
Owyhee River
181000
Murphy Hot Springs
176000
161500
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
INDEX MAP OF IDAHO

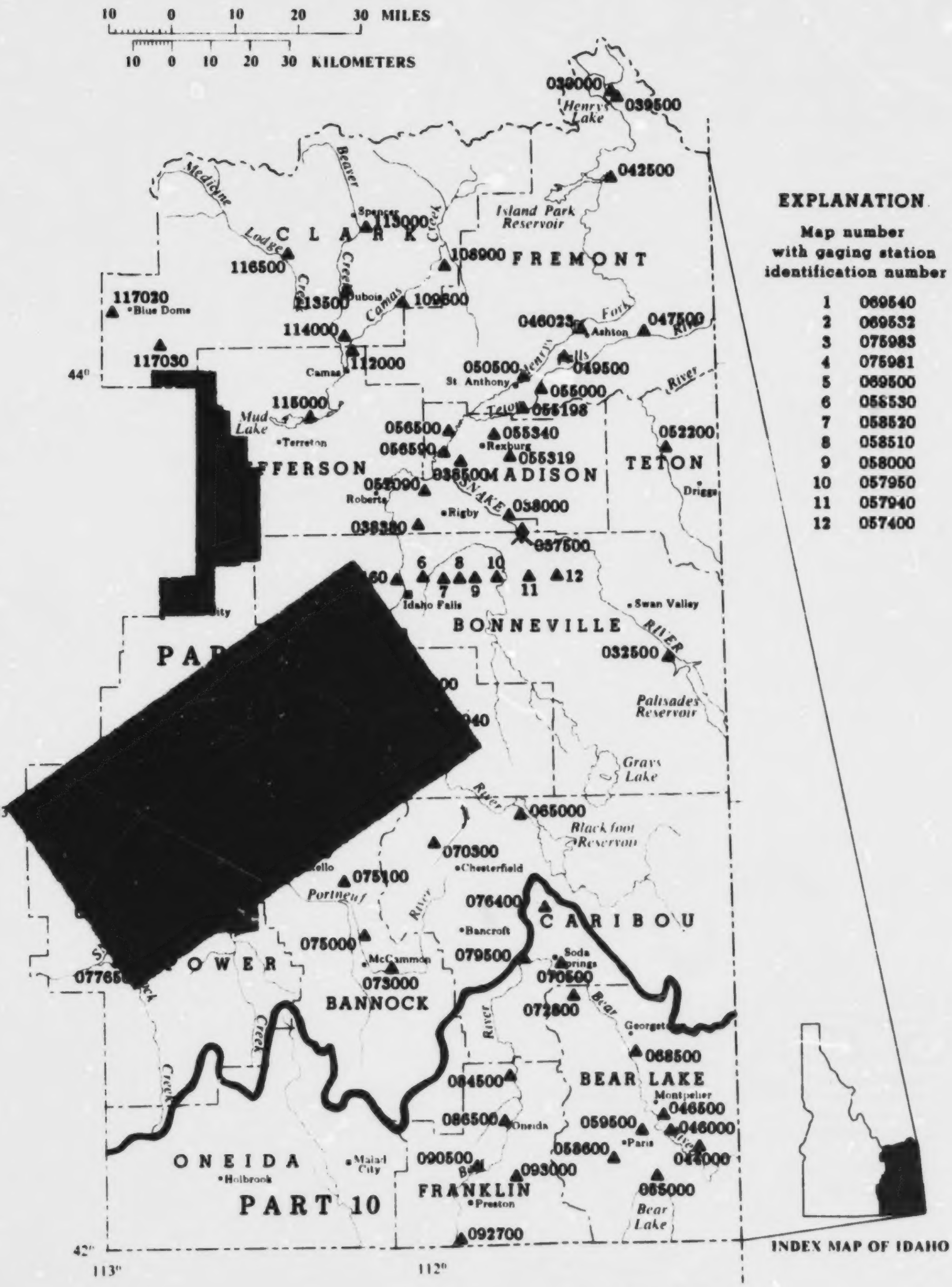
BEST COPY AVAILABLE

Figure 9.--Location of surface-water and water-quality stations in southwest Idaho.


10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
EXPLANATION
Map number and gaging station identification number
1 134560
2 134570
3 135000
4 153500
5 152940
6 152500
7 095500
8 108150
9 095050
10 094700
11 094000
12 093550
13 093000
14 091000
15 090000
16 089500
17 087900
18 088000
CUSTER
BLAINE
CAMAS
GOODING
ELMORE
LINCOLN
JEROME
MINIDOKA
TWIN FALLS
PART 13
INDEX MAP OF IDAHO
117360
118700
117084
119000
147900
148200
148500
149700
150430
141500
141300
141000
142000
142500
132515
132515.5
132515.6
132515.7
154500
154400
154120
153779
153773
081000
081500
079901
082060
106700
106000
106500
105000
078000
077700
Big
Little Lost River
Bellevue
Fairfield
Camas Creek
Mormon Reservoir
Magic Reservoir
Wood River
Richfield
Little Wood
Shoshone
Dietrich
Gooding
King Hill
Glenns Ferry
SNAKE
Bliss
Hagerman
Wendell
Jerome
Buhl
Castleford
Twin Falls
Kimberly
Hazelton
Rupert
Lake Walcott
SNAKE RIVER
Hollister
Rogerson
Salmon Falls Creek
Malta
Elba
Bridge
Clyde
43°
42°
44°
115°
114°
113°

BEST COPY AVAILABLE

Figure 10.--Location of surface-water and water-quality stations in south-central Idaho.


10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
039000
039500
Henrys Lake
042500
Island Park Reservoir
CLARK
FREMONT
TETON
MADISON
JEFFERSON
BONNEVILLE
CARIBOU
BANNOCK
POWER
BEAR LAKE
ONEIDA
FRANKLIN
PART 10
113000
116500
108900
117020
Blue Dome
117030
113500
109500
114000
112000
Camas
Dubois
Spencer
046025
Ashton
047500
050500
St Anthony
049500
055000
055198
056500
055340
Rexburg
056590
055319
052200
Driggs
058500
055090
Roberts
Rigby
058000
038380
057500
Idaho Falls
Swan Valley
032500
Palisades Reservoir
Grays Lake
Mud Lake
Terreton
065000
Blackfoot Reservoir
070300
Chesterfield
075100
Portneuf
076400
Bancroft
075000
McCammon
073000
079500
Soda Springs
070500
072500
Georgetown
068500
084500
086500
Oneida
059500
Paris
Montpelier
046500
046000
058600
044000
055000
090500
093000
Preston
092700
Malad City
Holbrook
Bear Lake
077650
Medicine Lodge Creek
Beaver Creek
Camas Creek
Henrys Fork
Teton River
Snake River
Bear River
Portneuf River
6 7 8 9 10 11 12
44°
43°
42°
113°
112°
INDEX MAP OF IDAHO

[redacted]

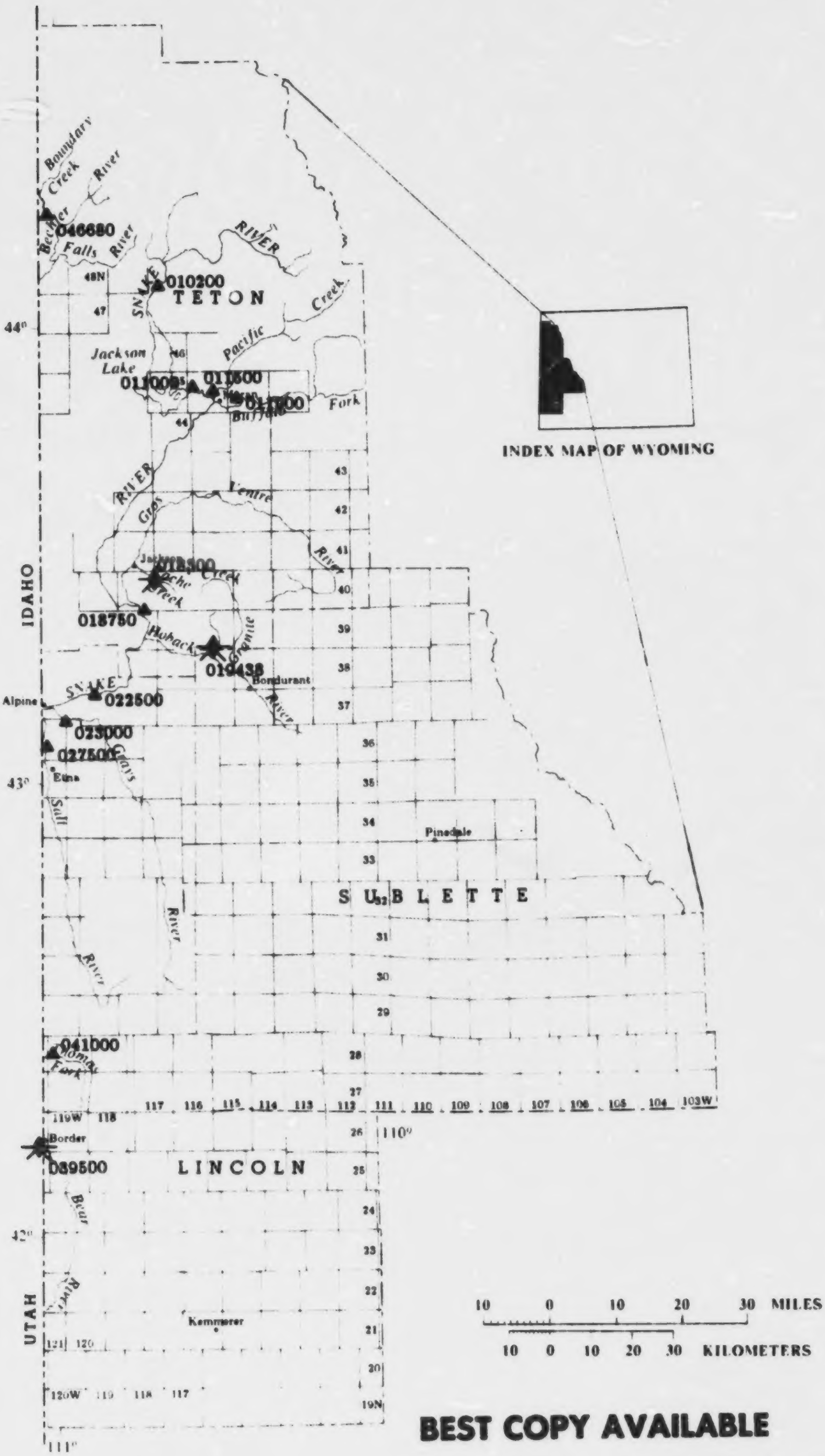
EXPLANATION

Map number with gaging station identification number

1	069540
2	069532
3	075983
4	075981
5	069500
6	055530
7	058520
8	058510
9	058000
10	057950
11	057940
12	057400

BEST COPY AVAILABLE

Figure 11.--Location of surface-water and water-quality stations in southeast Idaho.


Boundary Creek
River
Bechler
040680
Falls River
48N
47
44°
010200
SNAKE
TETON
RIVER
Creek
Pacific
Jackson Lake
46
011000
011500
011700
Buffalo
Fork
44
43
42
RIVER
Gros
Ventre
41
River
018300
Cache Creek
40
IDAHO
018750
39
Hoback
019438
Granite
38
Bondurant
Alpine
SNAKE
022500
37
023000
027500
Etna
36
43°
Salt
35
34
Pinedale
33
SUBLETTE
32
River
31
River
30
29
041000
Smiths Fork
28
27
119W
118
117
116
115
114
113
112
111
110
109
108
107
106
105
104
103W
Border
26
110°
039500
LINCOLN
25
Bear
24
42°
23
22
River
UTAH
Kemmerer
21
121
120
20
120W
119
118
117
19N
111°
INDEX MAP OF WYOMING
10
0
10
20
30
MILES
10
0
10
20
30
KILOMETERS

BEST COPY AVAILABLE

Figure 12.--Location of surface-water and water-quality stations in west-central Wyoming.

GAGING-STATION RECORDS

BEAR RIVER BASIN

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼NE¼ sec.15, T.14 S., R.46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--49 years, 465 ft^3/s, 336,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s June 7, 1983, gage height, 9.69 ft; minimum, 24 ft^3/s Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,180 ft^3/s June 14; minimum daily discharge, 150 ft^3/s Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	263	e240	e240	e220	e2700	1340	1890	3150	1940	644	456
2	251	263	e260	e270	e230	e2600	1390	1860	3260	1750	615	461
3	248	263	e270	e270	e230	e2000	1370	1920	3390	1640	593	468
4	239	260	e250	e260	e230	e1500	1380	2130	3470	1550	581	461
5	239	263	e230	e230	e230	e1200	1420	2430	3590	1490	567	453
6	240	265	e230	e250	e210	e1160	1460	2460	3660	1460	557	446
7	250	265	e240	e240	e200	e1120	1510	2430	3760	1430	548	442
8	267	274	e250	e220	e180	e1230	1550	2400	3870	1350	539	440
9	261	272	e250	e200	e150	e1300	1560	2370	4000	1280	548	427
10	258	e250	e220	e200	e160	e1400	1600	2320	4160	1220	541	466
11	255	286	e210	e220	e170	e1400	1630	2280	4140	1210	532	464
12	280	284	e210	e200	e190	e1440	1630	2270	4110	1240	500	447
13	259	296	e220	e180	e210	e1440	1640	2270	4120	1180	514	453
14	256	289	e210	e170	e220	e1390	1600	2280	4180	1180	509	443
15	260	270	e220	e170	e230	e1340	1560	2290	4180	1170	495	456
16	282	e260	e210	e190	e250	e1270	1540	2280	4070	1110	489	454
17	258	e295	e220	e210	e250	e1220	1550	2270	3960	1030	484	449
18	254	e300	e240	e210	e280	e1150	1530	2270	3860	943	480	448
19	256	e300	e250	e200	e390	e1080	1500	2290	3750	867	475	459
20	253	e260	e240	e200	e620	e1000	1470	2360	3630	819	466	458
21	250	e250	e220	e200	e700	e920	1520	2500	3510	776	482	456
22	253	e290	e210	e190	e730	907	1610	2640	3380	749	482	455
23	269	e280	e210	e200	e790	921	1820	2720	3260	743	482	455
24	282	e250	e210	e190	e950	965	2280	2620	3110	755	467	476
25	278	e250	e200	e200	e1120	1000	2500	2500	2980	790	468	496
26	282	e230	e200	e210	e1160	1010	2510	2450	2900	754	481	500
27	272	e230	e210	e200	e1280	980	2340	2510	2800	757	462	521
28	267	e270	e220	e190	e1800	1010	2170	2660	2670	739	443	531
29	280	e270	e210	e190	---	1070	2060	2820	2500	709	439	522
30	264	e280	e220	e200	---	1140	1970	2930	2240	684	438	506
31	264	---	e230	e210	---	1250	---	3050	---	662	451	---
TOTAL	8027	8078	7010	6510	13410	40113	51010	74470	105640	33977	15772	13969
MEAN	259	269	226	210	479	1294	1700	2402	3521	1096	509	466
MAX	282	300	270	270	1800	2700	2510	3050	4180	1940	644	531
MIN	239	230	200	170	150	907	1340	1860	2240	662	438	427
AC-FT	15920	16020	13900	12910	26600	79560	101200	147700	209500	67390	31280	27710

CAL YR 1985 TOTAL 219151 MEAN 600 MAX 2350 MIN 127 AC-FT 434700
WTR YR 1986 TOTAL 377986 MEAN 1036 MAX 4180 MIN 150 AC-FT 749700

e Estimated.

10039500 BEAR RIVER AT BORDER, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year. Prior to 1981 water year, published in "Water Resources Data for Wyoming."

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to September 1976, January 1978 to September 1981.
WATER TEMPERATURES: October 1965 to September 1976, January 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE; Maximum daily, 1,580 μ/cm Dec. 27, 1975; minimum daily, 312 μ/cm Apr. 3, 1969.
WATER TEMPERATURES: Maximum, 23.5 °C on many days during winter periods.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	BAROMETRIC PRESSURE (MM OF HG)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV 1985											
27...	1145	300	650	--	-2.0	0.0	7.0	11.2	605	3	37
JAN 1986											
22...	1400	412	630	8.20	-2.5	0.0	5.0	9.6	610	7	<1
MAR											
21...	1400	911	720	8.40	5.5	6.5	45	9.4	615	<1	58
APR											
30...	1500	1970	620	8.40	13.0	8.5	95	8.3	600	40	56
JUL											
17...	0915	1020	485	8.30	13.0	15.5	60	6.9	613	160	840
SEP											
03...	1315	469	510	8.40	20.0	16.5	26	8.2	615	180	200

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE IT-FLD (MG/L AS HCO3)	CARBONATE IT-FLD (MG/L AS CO3)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)
NOV 1985											
27...	290	293	71	28	28	17	0.7	1.8	--	--	--
JAN 1986											
22...	270	273	68	25	22	15	0.6	1.5	293	--	241
MAR											
21...	320	316	67	36	41	22	1	3.7	270	6.0	232
APR											
30...	260	264	63	26	27	18	0.7	2.6	254	8.0	218
JUL											
17...	230	226	54	22	18	15	0.5	1.7	244	--	200
SEP											
03...	230	234	59	21	20	16	0.6	1.6	222	8.0	195

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)
NOV 1985										
27...	75	33	0.2	7.6	359	390	0.49	291	<0.01	0.15
JAN 1986										
22...	69	24	0.2	8.4	343	1200	0.47	382	<0.0	<0.22
MAR										
21...	92	43	0.3	10	452	440	0.61	1110	<0.01	0.16
APR										
30...	71	32	0.1	7.9	359	370	0.49	1910	<0.01	0.14
JUL										
17...	38	15	0.1	6.9	279	280	0.38	768	<0.01	<0.10
SEP										
03...	57	21	0.3	6.0	273	310	0.37	348	<0.01	<0.10

10039500 BEAR RIVER AT BORDER, WY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV 1985										
27...	0.05	0.05	0.06	0.35	0.4	0.03	0.09	0.01	<0.01	--
JAN 1986										
22...	0.06	0.05	0.06	0.54	0.6	0.03	--	<0.01	<0.01	--
MAR										
21...	<0.01	<0.01	--	--	0.8	0.12	--	0.03	0.02	0.06
APR										
30...	0.08	0.05	0.06	0.62	0.7	0.26	--	0.02	0.02	0.06
JUL										
17...	0.04	0.03	0.04	0.56	0.6	0.04	--	0.02	0.02	0.06
SEP										
03...	<0.01	<0.01	--	--	0.5	0.06	--	<0.01	0.01	0.03

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV 1985											
27...	1145	<10	1	120	<0.5	<1	<1	<3	1	7	<1
MAR 1986											
21...	1400	20	2	130	<0.5	<1	<1	<3	2	13	1
JUL											
17...	0915	10	1	120	<0.5	<1	<1	<3	1	10	<5

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 1985										
27...	20	12	<0.1	<10	1	1	<1	520	<6	18
MAR 1986										
21...	28	11	<0.1	<10	1	<1	<1	490	<6	14
JUL										
17...	17	8	<0.1	<10	1	<1	<1	370	<6	<3

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
JAN			
22...	34	38	44
MAR			
21...	170	418	87
APR			
30...	445	2370	83
JUL			
17...	158	430	80

10041000 THOMAS FORK NEAR WYOMING-IDAHO STATE LINE

LOCATION.--Lat 42°24'10", long 111°01'30", in SE¼NW¼ sec. 19, T. 26 N., R. 119 W., Lincoln County, Wyoming, Hydrologic Unit 16010102, on right bank 1.3 mi upstream from Wyoming-Idaho State line, 1.5 mi downstream from Giraffe Creek, and 3.5 mi northeast of Geneva, Idaho.

DRAINAGE AREA.--113 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,260 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 23, 1957, at site 0.2 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--37 years, 59.4 ft^3/s, 43,040 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft^3/s May 15, 1984, gage height, 5.00 ft; minimum, 2.6 ft^3/s Mar. 2, 1956, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 31	0400	213	2.14	May 3	2400	*1,320	*4.37
Apr. 23	2000	1,120	4.10	May 21	2300	1,140	4.10

Minimum daily, 7.7 ft^3/s Dec. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	21	e12	e9.6	e14	35	173	484	529	112	55	38
2	23	21	e11	e9.9	e14	36	158	610	491	108	54	38
3	23	20	e11	e9.5	e15	33	141	868	454	106	54	37
4	23	20	e11	e9.2	e16	35	139	1020	427	105	52	36
5	23	22	e10	e9.2	e15	34	143	802	397	103	50	36
6	23	21	e9.3	e9.4	e15	35	171	698	361	99	49	35
7	27	22	e8.8	e8.9	e14	37	199	630	333	98	48	36
8	27	23	e8.5	e8.7	e13	43	200	603	323	96	48	38
9	26	22	e8.3	e8.9	e12	57	229	556	305	93	47	42
10	25	e21	e8.1	e9.9	e12	47	248	502	287	92	46	41
11	24	e20	e7.9	e11	e12	43	276	482	260	91	45	38
12	25	e19	e7.7	e12	e13	40	302	447	243	88	44	37
13	25	e20	e7.9	e12	e14	40	314	446	236	84	43	36
14	24	e20	e8.1	e13	e14	39	272	460	226	83	43	35
15	23	e19	e8.4	e14	e15	38	288	482	209	82	42	35
16	23	e19	e8.6	e14	e16	38	328	472	197	86	42	35
17	23	e19	e8.9	e15	e16	40	302	483	188	84	41	35
18	22	e19	e9.1	e16	e17	37	281	536	180	78	40	36
19	22	e18	e9.3	e16	e17	37	286	643	172	72	40	37
20	22	e18	e9.4	e15	e17	38	358	704	165	70	41	36
21	22	e17	e9.5	e15	e17	39	496	912	156	69	49	35
22	24	e17	e9.5	e14	e18	41	593	863	152	69	42	35
23	29	e16	e9.4	e14	e18	47	1000	674	147	73	41	35
24	28	e16	e9.4	e13	e19	55	949	615	142	74	42	44
25	24	e15	e9.2	e12	26	61	809	629	138	69	40	47
26	23	e14	e9.1	e12	27	61	661	665	133	67	39	45
27	22	e13	e8.9	e13	28	68	570	689	128	71	39	43
28	22	e13	e8.8	e13	29	82	526	674	125	66	38	41
29	21	e12	e9.1	e13	---	107	502	643	120	61	39	39
30	21	e12	e9.0	e13	---	137	460	607	116	59	39	41
31	21	---	e9.2	e14	---	196	---	569	---	57	38	---
TOTAL	733	549	284.4	377.2	473	1676	11374	19538	7340	2564	1370	1142
MEAN	23.6	18.3	9.17	12.2	16.9	54.1	379	630	245	82.7	44.2	38.1
MAX	29	23	12	16	29	196	1000	1020	529	112	55	47
MIN	21	12	7.7	8.7	12	33	139	446	116	57	38	35
AC-FT	1450	1090	564	748	938	3320	22560	38750	14560	5090	2720	2270

CAL YR 1985 TOTAL 19353.4 MEAN 53.0 MAX 346 MIN 7.7 AC-FT 38390
WTR YR 1986 TOTAL 47420.6 MEAN 130 MAX 1020 MIN 7.7 AC-FT 94060

e Estimated.

10044000 BEAR RIVER AT HARER, ID

LOCATION.--Lat 42°11'50", long 111°10'05", in NW¼NW¼NW¼ sec.23, T.14 S., R.45 E., Bear Lake County, Hydrologic Unit 16010102, on right bank 400 ft downstream from Sheep Creek, 0.8 mi north of Harer siding on Union Pacific (Oregon Short Line) Railroad, and 5 mi southeast of Dingle.

DRAINAGE AREA.--2,839 mi^2.

PERIOD OF RECORD.--June 1913 to current year. Monthly discharge only October 1916 to December 1918, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 24, 1914, staff gage at site 1,500 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--73 years, 551 ft^3/s, 399,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,140 ft^3/s June 9, 1983; minimum daily, 26 ft^3/s Aug. 21-27, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,800 ft^3/s June 13, gage height, 11.73 ft; minimum daily discharge, 211 ft^3/s Feb. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	285	e271	262	265	1820	1620	2970	3750	2520	721	507
2	247	272	e273	269	267	2110	1710	2820	3780	2220	687	513
3	250	270	e274	273	262	2360	1700	2710	3800	1990	654	517
4	247	270	e273	270	261	1960	1700	2730	3820	1780	630	521
5	241	266	e269	261	250	1460	1710	3000	4020	1670	627	525
6	240	265	e261	264	245	1220	1750	3440	e4180	1600	636	527
7	242	267	e258	270	244	1100	1820	3590	e4240	1580	621	534
8	254	268	270	269	236	1050	1890	3600	e4340	1520	602	526
9	262	271	266	263	224	1220	1900	3580	e4470	1470	590	508
10	266	e274	263	263	211	1380	1930	3510	e4580	1450	598	499
11	263	e282	262	268	229	1450	1980	3420	e4700	1410	580	500
12	263	e285	255	268	242	1460	2000	3340	e4780	1420	552	518
13	266	e278	243	264	261	1450	2030	3270	e4780	1410	519	516
14	269	e277	260	255	273	1450	2020	3230	e4790	1350	535	560
15	264	e278	290	254	281	1440	1970	3200	e4770	1340	522	574
16	263	e278	286	263	304	1410	1920	3210	e4770	1330	509	552
17	268	e275	277	277	339	1370	1920	3200	4690	1240	505	554
18	269	e271	278	285	371	1340	1900	3170	4020	1140	502	537
19	264	e269	285	286	407	1240	1870	3160	3880	1070	503	542
20	262	e276	280	283	442	1110	1810	3160	3830	975	501	545
21	265	e274	266	280	599	1070	1810	3230	3760	884	516	539
22	264	e271	256	271	778	1060	1920	3400	3680	832	506	540
23	262	e272	251	259	857	1090	2140	3600	3580	815	511	554
24	260	e275	248	252	932	1150	2370	3700	3490	832	502	569
25	275	e270	247	253	1080	1190	2700	3650	3380	887	499	616
26	282	e269	246	243	1160	1200	3250	3520	3280	876	498	639
27	281	e266	242	225	1320	1160	3440	3420	3170	876	514	655
28	303	e268	243	226	1550	1210	3400	3430	3060	855	509	666
29	295	e267	242	237	---	1270	3280	3520	2940	814	488	663
30	279	e275	247	246	---	1380	3120	3640	2790	777	488	650
31	277	---	253	256	---	1490	---	3710	---	750	488	---
TOTAL	8183	8184	8133	8115	13890	42680	64580	103130	119120	39683	17113	16686
MEAN	264	273	262	262	496	1377	2153	3327	3971	1280	552	556
MAX	303	285	290	286	1550	2360	3440	3710	4790	2520	721	666
MIN	240	265	242	225	211	1060	1620	2710	2790	750	488	499
AC-FT	16230	16230	16130	16100	27550	84660	128100	204600	236300	78710	33940	33060

CAL YR 1985 TOTAL 243874 MEAN 668 MAX 2700 MIN 146 AC-FT 483700
WTR YR 1986 TOTAL 449477 MEAN 1231 MAX 4790 MIN 211 AC-FT 891500

e Estimated.

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW¼SW¼SE¼ sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle, and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,922.0 ft above National Geodetic Vertical Datum of 1929, (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft downstream at different datum; Oct. 1, 1923, to Oct. 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Canal diverts from Bear River at Stewart Dam in NE¼ sec.34, T.13 S., R.44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--64 years, 382 ft^3/s, 276,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft^3/s May 27, 1984; no flow Apr. 28, 1977, and Oct. 1, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,300 ft^3/s June 12; minimum daily, 124 ft^3/s Jan. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	234	245	157	194	1550	1350	2980	3480	2410	733	440
2	224	242	252	149	210	2000	1490	2900	3550	2160	702	451
3	230	243	258	147	219	2270	1590	2790	3590	1910	665	461
4	217	245	245	156	229	2310	1620	2730	3660	1780	636	467
5	210	247	240	152	239	1690	1610	2730	3710	1660	595	462
6	211	247	219	124	229	1380	1630	2890	3740	1570	545	437
7	217	258	199	128	236	1200	1700	3200	3800	1510	545	425
8	228	262	204	143	299	1100	1770	3380	3880	1450	536	419
9	230	268	208	140	259	1100	1830	3390	4050	1360	504	414
10	228	251	197	125	215	1240	1840	3320	4210	1300	517	425
11	232	247	200	138	180	1360	1880	3230	4260	1250	521	434
12	230	248	209	157	202	1400	1920	3100	4300	1250	511	466
13	229	249	201	162	190	1390	1950	2980	4280	1220	498	461
14	228	253	145	156	191	1370	1970	2960	4250	1160	467	439
15	188	241	163	139	203	1360	1960	2950	4200	1190	474	435
16	208	242	183	137	219	1330	1940	2930	4100	1220	454	418
17	222	241	167	137	255	1300	1920	2930	3880	1170	450	431
18	222	235	162	147	285	1270	1930	2940	3720	1010	449	447
19	223	230	158	158	368	1210	1930	2930	3600	930	443	457
20	222	230	163	172	410	1150	1910	2900	3420	844	445	464
21	221	228	146	177	470	1090	1880	2940	3250	783	452	484
22	216	229	132	183	584	1040	1920	3030	3090	742	445	486
23	217	227	134	171	712	984	2040	3250	3180	738	434	486
24	218	231	132	162	849	967	2260	3510	3190	765	454	468
25	219	230	138	173	963	976	2420	3550	3070	820	433	456
26	227	233	140	182	1110	1050	2640	3380	2930	837	419	489
27	250	227	135	181	1270	1090	2980	3220	2820	833	440	514
28	237	234	134	157	1380	1100	3200	3110	2740	822	429	531
29	233	244	144	158	---	1100	3200	3140	2650	804	420	544
30	236	242	140	174	---	1150	3080	3270	2550	779	427	518
31	229	---	152	183	---	1260	---	3380	---	762	430	---
TOTAL	6918	7238	5545	4825	12170	40787	61360	95940	107150	37059	15473	13829
MEAN	223	241	179	156	435	1316	2045	3095	3572	1195	499	461
MAX	250	268	258	183	1380	2310	3200	3550	4300	2410	733	544
MIN	188	227	132	124	180	967	1350	2730	2550	738	419	414
AC-FT	13720	14360	11000	9570	24140	80900	121700	190300	212500	73510	30690	27430

CAL YR 1985	TOTAL 202147	MEAN 554	MAX 2520	MIN 50	AC-FT 401000
WTR YR 1986	TOTAL 408294	MEAN 1119	MAX 4300	MIN 124	AC-FT 809900

10046500 BEAR RIVER BELOW STEWART DAM, NEAR MONTPELIER, ID

LOCATION.--Lat 42°15'14", long 111°17'35", in NW¼NW¼NE¼ sec. 34, T. 13 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 300 ft downstream from Stewart Dam, and 4.5 mi south of Montpelier.

DRAINAGE AREA.--2,853 mi^2.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January to September 1922, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Water diverted at Stewart Dam through Rainbow Inlet Canal (station 10046000) for storage in Bear Lake.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--64 years, 44.1 ft^3/s, 31,950 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,050 ft^3/s June 3, 1923; no flow July 15, 1956, July 13, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 516 ft^3/s June 23, gage height, 3.80 ft; minimum daily, 1.7 ft^3/s Mar. 20, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	7.1	3.1	3.2	4.0	18	4.6	8.6	33	18	13	5.3
2	9.5	7.4	3.1	2.9	3.8	55	5.7	6.8	35	15	13	5.5
3	9.7	7.4	2.9	2.6	4.0	37	6.5	6.1	36	14	11	6.5
4	7.6	7.9	3.0	2.5	3.7	20	7.8	7.7	39	14	11	6.5
5	7.0	7.9	3.0	2.4	3.4	21	8.0	12	41	13	10	6.5
6	6.8	7.7	3.0	2.4	3.3	23	8.1	21	40	13	5.7	6.9
7	6.8	6.7	3.2	2.2	3.5	25	8.6	27	42	12	3.8	6.7
8	6.8	4.5	3.4	2.3	3.6	29	9.7	28	44	13	4.2	6.9
9	7.1	4.5	3.6	2.2	3.7	35	11	26	50	12	9.4	7.2
10	6.5	4.2	3.6	2.1	3.7	41	11	23	60	12	9.6	7.5
11	6.4	3.7	3.8	2.1	3.6	48	12	20	51	13	9.7	7.1
12	7.3	3.9	4.1	2.3	3.4	56	13	16	40	14	9.2	7.3
13	7.1	4.3	3.8	2.5	3.4	42	13	14	32	14	8.4	7.6
14	6.8	4.1	3.8	2.6	3.2	30	13	13	23	15	8.4	7.6
15	5.3	4.0	3.8	2.8	3.4	23	12	12	17	16	8.0	7.5
16	6.4	3.7	3.6	2.8	3.9	17	12	10	126	16	7.1	7.0
17	7.1	3.7	3.4	3.0	4.2	11	12	8.7	267	17	7.5	7.0
18	7.0	4.2	3.4	3.2	4.5	5.0	11	7.3	338	17	7.6	6.8
19	6.9	3.7	3.2	3.3	6.4	1.8	11	6.0	429	16	7.9	6.4
20	6.7	3.5	3.2	3.6	10	1.7	9.2	6.1	481	16	7.9	6.2
21	6.6	3.5	3.2	4.2	14	1.8	9.6	4.7	488	16	7.6	6.0
22	6.5	3.9	3.2	4.5	22	1.8	13	6.4	495	16	7.3	5.9
23	6.5	3.7	3.1	4.6	19	1.7	18	13	175	17	6.8	6.3
24	6.7	3.8	2.9	4.7	11	2.2	13	22	30	17	6.5	7.0
25	6.5	3.8	3.0	4.6	6.0	3.0	18	26	33	17	5.8	7.3
26	7.1	3.8	3.0	4.6	8.2	3.1	23	25	28	17	5.6	7.2
27	8.2	3.9	3.1	4.6	12	3.1	16	23	25	16	5.3	7.5
28	7.2	3.9	3.1	4.3	13	2.9	14	22	24	15	5.2	7.8
29	7.0	3.7	2.9	4.1	---	3.0	12	23	22	15	5.3	7.4
30	7.2	3.2	2.9	4.0	---	3.5	10	24	20	14	5.5	7.2
31	7.0	---	3.1	4.2	---	3.9	---	30	---	14	5.3	---
TOTAL	220.4	141.3	101.5	101.4	187.9	569.5	345.8	498.4	3564	464	238.6	205.6
MEAN	7.11	4.71	3.27	3.27	6.71	18.4	11.5	16.1	119	15.0	7.70	6.85
MAX	9.7	7.9	4.1	4.7	22	56	23	30	495	18	13	7.8
MIN	5.3	3.2	2.9	2.1	3.2	1.7	4.6	4.7	17	12	3.8	5.3
AC-FT	437	280	201	201	373	1130	686	989	7070	920	473	408

CAL YR 1985 TOTAL 3030.4 MEAN 8.30 MAX 27 MIN 1.5 AC-FT 6010
WTR YR 1986 TOTAL 6638.4 MEAN 18.2 MAX 495 MIN 1.7 AC-FT 13170

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE¼ sec. 16, T. 15 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 mi^2, approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906, elevations only, published as "at Fish Haven," January 1921 to current year. Monthly contents only, January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft (Utah Power & Light Co. datum).

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (sta 10046000) and Dingle Inlet Canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet Canal (sta 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft between elevation 5,902.00 ft, lower limit of pumps, and 5,923.65 ft, upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures given herein represent usable contents.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft June 10, 1923, elevation, 5,923.68 ft; no usable contents, Nov. 9-10, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,418,000 acre-ft July 24-29, elevation, 5,923.61 ft; minimum, 1,053,000 acre-ft Feb. 14-17, elevation, 5,918.39 ft.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

5,918	1,026,000	5,922	1,305,000
5,919	1,095,000	5,923	1,375,000
5,920	1,165,000	5,924	1,446,000
5,921	1,235,000		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1125000	1101000	1088000	1073000	1057000	1093000	1124000	1221000	1352000	1416000	1394000	1317000
2	1124000	1101000	1088000	1072000	1057000	1097000	1125000	1227000	1357000	1416000	1393000	1314000
3	1123000	1100000	1087000	1072000	1057000	1099000	1129000	1229000	1364000	1416000	1392000	1311000
4	1122000	1099000	1087000	1071000	1057000	1104000	1133000	1238000	1368000	1416000	1390000	1309000
5	1120000	1099000	1086000	1070000	1056000	1107000	1135000	1244000	1373000	1415000	1388000	1305000
6	1120000	1098000	1086000	1070000	1056000	1109000	1136000	1249000	1378000	1414000	1387000	1302000
7	1119000	1097000	1086000	1069000	1056000	1111000	1138000	1252000	1381000	1413000	1385000	1298000
8	1118000	1097000	1086000	1068000	1056000	1113000	1140000	1255000	1384000	1413000	1382000	1295000
9	1117000	1097000	1086000	1067000	1055000	1115000	1141000	1262000	1389000	1413000	1381000	1291000
10	1115000	1097000	1086000	1067000	1055000	1118000	1143000	1266000	1394000	1412000	1379000	1289000
11	1113000	1096000	1085000	1066000	1055000	1122000	1147000	1271000	1398000	1411000	1377000	1287000
12	1113000	1096000	1085000	1065000	1054000	1123000	1151000	1277000	1401000	1410000	1375000	1285000
13	1113000	1095000	1084000	1065000	1054000	1123000	1155000	1282000	1404000	1409000	1372000	1283000
14	1112000	1095000	1083000	1064000	1053000	1124000	1157000	1287000	1406000	1407000	1368000	1280000
15	1112000	1094000	1083000	1063000	1053000	1124000	1158000	1290000	1408000	1406000	1365000	1277000
16	1111000	1093000	1083000	1063000	1053000	1125000	1159000	1292000	1410000	1405000	1361000	1274000
17	1110000	1093000	1082000	1063000	1053000	1125000	1160000	1296000	1412000	1404000	1358000	1271000
18	1109000	1093000	1081000	1062000	1054000	1126000	1162000	1301000	1413000	1403000	1354000	1269000
19	1108000	1092000	1081000	1062000	1055000	1126000	1165000	1305000	1415000	1402000	1353000	1267000
20	1107000	1092000	1081000	1061000	1057000	1127000	1168000	1308000	1416000	1401000	1351000	1265000
21	1107000	1092000	1080000	1061000	1059000	1127000	1172000	1310000	1416000	1401000	1349000	1265000
22	1107000	1092000	1079000	1061000	1061000	1128000	1176000	1312000	1416000	1400000	1347000	1264000
23	1106000	1092000	1079000	1061000	1065000	1128000	1181000	1316000	1417000	1399000	1343000	1264000
24	1106000	1091000	1078000	1061000	1070000	1130000	1185000	1319000	1418000	1399000	1340000	1263000
25	1106000	1090000	1077000	1060000	1074000	1130000	1189000	1323000	1418000	1397000	1337000	1263000
26	1104000	1090000	1076000	1060000	1080000	1129000	1194000	1326000	1418000	1397000	1335000	1263000
27	1104000	1090000	1076000	1059000	1085000	1129000	1200000	1331000	1418000	1397000	1332000	1263000
28	1103000	1089000	1075000	1058000	1089000	1127000	1206000	1337000	1418000	1396000	1330000	1263000
29	1102000	1089000	1074000	1058000	---	1126000	1210000	1342000	1418000	1396000	1326000	1263000
30	1102000	1088000	1074000	1058000	---	1125000	1216000	1345000	1417000	1396000	1323000	1262000
31	1102000	---	1074000	1058000	---	1124000	---	1348000	---	1394000	1321000	---
MAX	1125000	1101000	1088000	1073000	1089000	1130000	1216000	1348000	1418000	1416000	1394000	1317000
MIN	1102000	1088000	1074000	1058000	1053000	1093000	1124000	1221000	1352000	1394000	1321000	1262000
(†)	5919.09	5918.90	5918.69	5918.46	5918.91	5919.41	5920.73	5922.61	5923.59	5923.27	5922.22	5921.39
(‡)	-25000	-14000	-14000	-16000	+31000	+35000	+92000	+132000	+69000	-23000	-73000	-59000

CAL YR 1985.......(‡) -21000
WTR YR 1986.......(‡) +135000

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

10058600 BLOOMINGTON CREEK AT BLOOMINGTON, ID

LOCATION.--Lat 42°34'08", long 111°25'48", in SE¼SW¼SE¼ sec.21, T.14 S., R.43 E., Bear Lake County, Hydrologic Unit 16010201, on left bank 1 mi west of Bloomington.

DRAINAGE AREA.--24.0 mi^2.

PERIOD OF RECORD.--October 1960 to September 1986 (discontinued).

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete flume. Elevation of gage is 6,070 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--26 years, 31.3 ft^3/s, 22,660 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 249 ft^3/s June 5, 1986, gage height, 4.47 ft; minimum, 9.4 ft^3/s Jan. 27, 1961, Feb. 26, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 249 ft^3/s June 5, gage height, 4.47 ft; minimum daily, 17 ft^3/s Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	20	19	18	18	31	59	61	208	106	54	36
2	22	20	19	18	18	31	59	64	221	103	53	36
3	22	20	19	18	18	32	51	71	223	100	53	36
4	22	20	19	18	18	31	48	81	227	99	52	36
5	22	22	19	18	18	30	48	76	225	96	51	35
6	22	21	19	18	18	30	49	74	226	92	50	35
7	24	22	19	18	18	32	50	71	216	89	49	35
8	22	22	19	18	18	56	49	70	205	87	48	35
9	22	21	18	18	e17	53	50	66	185	85	47	36
10	22	19	18	18	e18	43	53	64	176	84	47	35
11	22	21	18	18	18	38	56	64	172	83	47	34
12	22	21	18	18	18	34	56	61	170	80	46	34
13	22	20	18	18	18	32	57	60	172	77	45	34
14	22	20	18	18	18	30	53	61	170	76	45	34
15	22	19	18	18	20	29	51	61	169	74	44	33
16	21	19	18	18	20	28	55	62	165	75	44	33
17	21	20	18	18	21	27	51	63	160	72	43	32
18	21	20	18	18	28	26	49	67	156	69	42	33
19	21	19	18	18	32	25	47	76	151	67	42	33
20	21	19	18	18	25	26	47	89	145	65	42	32
21	21	20	18	18	22	27	53	108	141	64	43	32
22	22	19	18	18	21	29	63	119	136	64	41	32
23	28	19	18	18	35	31	80	101	131	62	41	32
24	23	20	18	18	41	36	88	98	128	64	41	33
25	22	19	18	18	36	35	80	110	126	62	40	34
26	22	20	18	18	39	34	73	128	123	62	40	34
27	21	19	18	18	35	36	67	149	120	62	38	33
28	21	19	18	18	31	41	66	165	117	59	38	32
29	21	20	18	18	---	49	64	178	114	57	37	31
30	21	19	18	18	---	59	61	189	110	56	37	31
31	21	---	18	18	---	65	---	196	---	55	37	---
TOTAL	680	599	566	558	657	1106	1733	2903	4988	2346	1377	1011
MEAN	21.9	20.0	18.3	18.0	23.5	35.7	57.8	93.6	166	75.7	44.4	33.7
MAX	28	22	19	18	41	65	88	196	227	106	54	36
MIN	21	19	18	18	17	25	47	60	110	55	37	31
AC-FT	1350	1190	1120	1110	1300	2190	3440	5760	9890	4650	2730	2010

CAL YR 1985		TOTAL	11222	MEAN	30.7	MAX	98	MIN	18	AC-FT	22260
WTR YR 1986		TOTAL	18524	MEAN	50.8	MAX	227	MIN	17	AC-FT	36740

e Estimated.

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼NW¼SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike), and 3 mi southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Bear Lake (station 10055500).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--64 years, 423 ft^3/s, 306,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft^3/s June 19-21, 1986; minimum daily, 1.0 ft^3/s for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,080 ft^3/s June 19-21; minimum daily, 368 ft^3/s Feb. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	510	747	e598	632	933	1150	999	1620	2780	1600	1600
2	501	504	756	e608	618	904	1230	1030	1670	2750	1620	1610
3	488	506	759	e608	623	925	1200	1120	1720	2690	1590	1610
4	493	502	700	e599	643	902	1150	1180	1780	2560	1620	1600
5	498	508	683	e598	609	884	1100	1260	2010	2420	1610	1590
6	488	517	663	e599	586	893	1070	1320	2220	2260	1620	1580
7	497	514	648	e599	571	914	1080	1280	2340	2220	1660	1580
8	506	522	644	e625	644	921	1120	1370	2380	2030	1660	1570
9	501	515	620	e625	752	972	1130	1580	2460	1860	1670	1580
10	503	504	603	e625	727	923	1070	1670	2260	1820	1660	1570
11	508	514	583	e625	681	850	1020	1670	2180	1790	1660	1580
12	498	541	e651	e625	660	925	1010	1650	2370	1770	1680	1590
13	498	523	e651	e625	628	953	1030	1610	2550	1740	1670	1590
14	500	525	e648	e625	580	926	1020	1600	2660	1720	1670	1590
15	488	516	e648	e625	576	936	1010	1590	2660	1710	1660	1600
16	485	503	e648	e629	599	957	1030	1590	2660	1690	1640	1590
17	491	513	e641	e637	627	961	1050	1600	2870	1580	1610	1620
18	483	537	e668	e644	659	922	1050	1610	2870	1550	1600	1640
19	480	513	e670	e649	583	906	1030	1610	3080	1530	1590	1620
20	490	505	e666	e649	394	931	1020	1610	3080	1510	1560	1590
21	481	514	e658	e602	376	1010	1010	1630	3080	1490	1590	1560
22	477	646	e648	e599	368	1030	1040	1600	3070	1490	1590	1530
23	487	634	e648	e599	382	1070	1060	1620	3040	1570	1590	1440
24	490	581	e599	e602	497	1100	1040	1630	3020	1670	1580	1330
25	489	511	e608	e602	700	1130	1020	1640	3000	1720	1570	e1220
26	496	515	e622	e602	831	1110	1050	1610	2990	1710	1550	e1130
27	492	703	e637	e599	905	1080	1030	1580	2950	1690	1540	e1050
28	489	733	e639	e599	947	1090	1010	1520	2910	1680	1550	933
29	501	756	e641	e597	---	1090	983	1510	2870	1620	1560	403
30	490	741	e643	e604	---	1090	960	1530	2830	1590	1580	855
31	497	---	e595	e604	---	1140	---	1580	---	1580	1590	---
TOTAL	15282	16626	20236	19024	17398	30378	31773	46398	77000	57770	49940	43351
MEAN	493	554	653	614	621	980	1059	1497	2567	1864	1611	1445
MAX	508	756	759	649	947	1140	1230	1670	3080	2780	1680	1640
MIN	477	502	583	598	368	850	960	999	1620	1490	1540	403
AC-FT	30310	32980	40140	37730	34510	60250	63020	92030	152700	114600	99060	85990

CAL YR 1985 TOTAL 252077 MEAN 691 MAX 1220 MIN 14 AC-FT 500000
WTR YR 1986 TOTAL 425177 MEAN 1165 MAX 3080 MIN 368 AC-FT 843300

e Estimated.

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec.6, T.12 S., R.44 E., Bear Lake County, Hydrologic Unit 16010202, on left bank at Pescadero, 400 ft downstream from road bridge, 2 mi downstream from Bennington Creek, and 6.5 mi northwest of Montpelier.

DRAINAGE AREA.--3,705 mi^2.

PERIOD OF RECORD.--October 1921 to September 1954. June 1969 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Flow regulated by Bear Lake (station 10055500) and diversions above station for irrigation.

AVERAGE DISCHARGE.--50 years, 666 ft^3/s, 482,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft^3/s June 21, 1986; minimum daily, 23 ft^3/s Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,280 ft^3/s June 21; minimum daily, 375 ft^3/s Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	630	664	1100	e720	e750	1720	1750	1700	2180	3350	1830	1830
2	622	668	1050	e730	e760	1680	1830	1720	2220	3300	1820	1830
3	617	645	1030	e730	e770	1650	1890	1740	2280	3250	1810	1830
4	623	646	989	e740	e780	1620	1890	1810	2330	3200	1790	1820
5	607	651	1020	e740	e790	1570	1810	1860	2410	3100	1790	1810
6	614	636	1040	e730	e810	1560	1740	1960	2570	3000	1790	1800
7	610	648	938	e720	e820	1540	1690	1980	2780	2850	1790	1800
8	617	667	936	e710	e840	1660	1700	2000	2970	2700	1800	1800
9	627	663	1040	e700	e860	1760	1720	2060	3100	2630	1830	1810
10	623	658	989	e700	e920	1810	1690	2170	3210	2440	1830	1830
11	630	653	854	e700	e1000	1790	1640	2250	3320	2350	1830	1820
12	633	647	835	e690	1160	1740	1600	2280	3440	2270	1830	1810
13	626	668	e840	e680	1210	1730	1610	2270	3640	2190	1830	1810
14	632	677	e840	e660	1260	1670	1620	2220	3850	2130	1830	1800
15	634	675	e830	e650	1290	1610	1620	2190	3990	2070	1830	1810
16	620	717	e820	e650	1370	1590	1620	2160	3950	2040	1820	1830
17	627	682	e810	e650	1430	1570	1610	2150	4180	2010	1810	1820
18	631	673	e800	e640	1470	1500	1590	2150	4190	1990	1790	1800
19	624	689	e800	e640	1430	1460	1580	2160	4230	1850	1780	1790
20	633	728	e790	e640	920	1440	1560	2170	4260	1770	1780	1750
21	638	711	e790	e640	747	1440	1540	2150	4280	1720	1830	1660
22	628	724	e790	e650	708	1500	1540	2180	4150	1700	1840	1550
23	634	585	e790	e660	743	1540	1590	2200	3900	1730	1840	1440
24	642	817	e790	e670	876	1620	1630	2220	3800	1810	1870	1340
25	637	843	e770	e690	1200	1660	1660	2250	3750	1880	1870	1250
26	656	944	e760	e720	1500	1670	1710	2290	3600	1900	1850	619
27	640	896	e750	e730	1650	1670	1730	2290	3530	1930	1840	404
28	627	953	e740	e740	1720	1660	1730	2250	3480	1930	1830	375
29	648	1050	e720	e740	---	1670	1730	2180	3400	1910	1830	384
30	639	1110	e720	e740	---	1670	1710	2140	3400	1870	1830	1020
31	635	---	e720	e740	---	1710	---	2140	---	1830	1840	---
TOTAL	19504	21988	26691	21540	29784	50480	50330	65290	102390	70680	56480	46242
MEAN	629	733	861	695	1064	1628	1678	2106	3413	2280	1822	1541
MAX	656	1110	1100	740	1720	1810	1890	2290	4280	3350	1870	1830
MIN	607	585	720	640	708	1440	1540	1700	2180	1700	1780	375
AC-FT	38690	43610	52940	42720	59080	100100	99830	129500	203100	140200	112000	91720

CAL YR 1985	TOTAL 368873	MEAN 1011	MAX 2420	MIN 262	AC-FT 731700
WTR YR 1986	TOTAL 561309	MEAN 1538	MAX 4280	MIN 375	AC-FT 1114000

e Estimated.

10072800 EIGHTMILE CREEK NEAR SODA SPRINGS, ID

LOCATION.--Lat 42°32'15", long 111°34'20", in NW¼NW¼SE¼ sec.20, T.10 S., R.42 E., Bear Lake County, Hydrologic Unit 16010202, on right bank below Wilson Creek, 15 ft below road bridge, 0.3 mi north of Eightmile Ranger Station, and 8.4 mi south of Soda Springs.

DRAINAGE AREA.--22.6 mi^2.

PERIOD OF RECORD.--October 1960 to September 1986 (discontinued).

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--26 years, 18.5 ft^3/s, 13,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 310 ft^3/s June 6, 1986, gage height, 2.80 ft; minimum, 0.73 ft^3/s Nov. 17, 18, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 310 ft^3/s June 6, gage height, 2.80 ft; minimum daily, 3.5 ft^3/s Dec. 11, 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.4	e5.8	e5.0	e4.6	e5.6	e17	54	76	246	57	23	13
2	e6.4	e5.8	e5.5	e5.2	e5.1	e17	55	90	274	54	23	13
3	e6.4	e6.0	e5.0	e4.6	e5.4	e16	51	117	274	50	22	13
4	e6.4	e6.1	e4.4	e4.3	e5.6	e16	46	144	284	48	22	12
5	e6.4	e7.0	e4.3	e4.6	e4.5	e16	45	142	289	47	21	12
6	e7.4	e6.6	e4.4	e4.6	e4.3	e16	44	132	299	43	21	12
7	e9.0	e7.0	e4.7	e4.6	e4.1	e17	42	118	284	41	20	12
8	e6.6	e7.6	e4.2	e4.5	e4.0	e29	43	110	260	39	20	12
9	e6.0	e6.6	e3.9	e4.4	e3.8	e42	57	96	238	38	19	13
10	e6.0	e6.4	e3.7	e4.5	e3.9	e41	67	91	221	36	18	12
11	e6.0	e7.0	e3.5	e4.6	e4.5	e39	71	84	209	34	18	11
12	e6.0	e6.4	e3.6	e4.4	e5.0	e33	72	76	205	31	18	11
13	e6.0	e5.8	e3.9	e4.3	e5.4	e30	71	74	201	30	18	11
14	e6.0	e5.6	e3.7	e4.5	e6.2	e27	68	73	199	29	17	9.9
15	e6.0	e5.7	e3.5	e4.2	e7.2	e24	64	71	190	33	17	9.7
16	e6.0	e5.9	e3.8	e4.4	e10	e22	69	70	186	41	16	9.5
17	e6.0	e6.0	e4.1	e4.8	e13	e21	62	70	186	39	16	9.3
18	e6.0	e5.3	e4.5	e5.3	e17	e19	59	76	176	36	16	9.7
19	e6.0	e4.6	e4.3	e4.9	e21	e18	56	95	169	34	16	9.4
20	e6.0	e4.8	e4.0	e4.4	e20	e19	59	120	155	33	16	9.3
21	e6.4	e4.5	e4.0	e4.3	e18	e20	68	154	143	32	17	8.8
22	e7.2	e4.1	e4.0	e4.2	e16	e23	84	171	128	31	15	8.5
23	e10	e4.0	e4.0	e4.4	e18	e25	114	159	117	30	16	8.4
24	e8.0	e4.4	e4.0	e4.5	e20	e32	132	148	107	30	16	9.2
25	e6.4	e4.5	e4.0	e4.1	e22	e30	128	147	98	32	15	9.7
26	e6.0	e4.5	e4.2	e3.8	e18	e26	116	165	84	31	14	9.2
27	e5.9	e4.7	e4.2	e3.8	e17	e28	100	176	76	29	14	9.2
28	e5.9	e5.0	e4.0	e4.3	e17	37	86	201	70	28	13	8.7
29	e5.9	e5.4	e3.8	e4.8	---	45	78	222	65	26	14	8.0
30	e5.9	e4.7	e3.8	e5.4	---	53	72	235	60	25	14	8.8
31	e5.8	---	e4.0	e6.0	---	53	---	243	---	24	13	---
TOTAL	200.4	167.8	128.0	141.3	301.6	851	2133	3946	5493	1111	538	312.3
MEAN	6.46	5.59	4.13	4.56	10.8	27.5	71.1	127	183	35.8	17.4	10.4
MAX	10	7.6	5.5	6.0	22	53	132	243	299	57	23	13
MIN	5.8	4.0	3.5	3.8	3.8	16	42	70	60	24	13	8.0
AC-FT	397	333	254	280	598	1690	4230	7830	10900	2200	1070	619

CAL YR 1985 TOTAL 6455.6 MEAN 17.7 MAX 116 MIN 3.5 AC-FT 12800
WTR YR 1986 TOTAL 15323.4 MEAN 42.0 MAX 299 MIN 3.5 AC-FT 30390

e Estimated.

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°38'50", long 111°34'58", in NW¼SW¼NW¼ sec.29, T.9 S., R.42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek Road bridge, and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi^2.

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of U.S. Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (U.S. Geological Survey Open-File Report).

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above National Geodetic Vertical Datum of 1929, from topographic map. May 25 to Oct. 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--33 years, 769 ft^3/s, 557,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft^3/s June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum, 41 ft^3/s Nov. 16, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,460 ft^3/s June 20, 21; minimum daily, 491 ft^3/s Nov. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	677	645	e1010	e871	e1040	e2100	e2290	2700	e2930	3610	1900	1960
2	676	673	e998	e869	1260	e2080	e2380	2700	e2960	3590	1880	1950
3	670	658	e1040	e863	1210	e1980	e2430	2750	e2920	3540	1890	1930
4	650	647	e1030	e872	1190	e1970	e2450	2900	e2950	3440	1890	1900
5	648	659	e987	e854	1260	e2020	e2380	2960	e2980	3400	1890	1910
6	649	646	e945	e871	1250	e1970	e2250	2590	e3080	3300	1910	1900
7	677	651	e952	e849	1270	e1980	e2140	2430	e3620	3120	1930	1880
8	692	687	e1080	e829	1330	e2210	2140	2480	e3750	2960	1930	1890
9	699	679	e916	e831	1200	e2490	2170	2620	e3780	2810	1940	1900
10	690	665	e822	e850	1280	e2380	2680	2690	e3860	2600	1940	1900
11	682	659	e753	e870	1240	e2300	2620	2790	e3970	2430	1940	1900
12	698	648	e631	e820	1300	e2220	2530	2780	e4070	2320	1940	1960
13	683	654	e622	e843	1320	e2150	2540	2730	e4200	2250	1940	1950
14	673	646	e632	e862	1350	e2130	2600	2660	e4250	2170	1940	1930
15	674	651	e969	e932	1510	e2170	2640	2620	e4290	2130	1930	e1920
16	666	658	e874	e951	1580	e2010	2750	2580	e4290	2090	1940	e1900
17	657	e664	e880	e1010	1640	e1990	2700	2570	e4330	2060	1930	e1890
18	662	e649	e912	e1000	1850	e1960	2580	2540	e4390	2090	1910	e1900
19	658	e633	e967	e988	1900	e1850	2490	2640	e4370	2060	1910	e1910
20	660	e637	e935	e1010	1760	e1870	2440	e2770	e4460	1970	1910	e1930
21	675	e714	e920	e966	1440	e1890	2430	e2840	e4460	1910	e1970	e1930
22	684	e720	e897	e967	1110	e1900	2450	e2880	e4340	1860	e1990	e1950
23	688	e680	e846	e983	1220	e2000	2610	e2860	e4170	1830	e1960	e1950
24	693	e491	e821	e1000	1440	e2060	2870	e2840	e4020	e1810	e1930	e1940
25	674	e778	e901	e959	1790	e2120	2980	e2860	e3940	e1790	e1940	e1850
26	668	e827	e836	e970	e1900	e2140	3010	e2910	3880	e1820	e1940	e1590
27	666	e788	e865	e962	e2200	e2020	2950	e2960	3850	e1940	e1950	e1570
28	645	e938	e866	e1000	e2170	e2140	2890	e2980	3920	e1910	1960	e1250
29	648	e977	e852	e988	---	e2190	2870	e2980	3820	e1900	1950	e905
30	650	e1060	e897	e975	---	e2210	2810	e2960	3670	e1910	1950	e1070
31	641	---	e913	e1010	---	e2260	---	e2930	---	1910	1960	---
TOTAL	20771	21082	27769	28625	41010	64760	77070	85500	115520	74530	59890	54315
MEAN	670	703	896	923	1465	2089	2569	2758	3851	2404	1932	1811
MAX	699	1060	1080	1010	2200	2490	3010	2980	4460	3610	1990	1960
MIN	641	491	622	820	1040	1850	2140	2430	2920	1790	1880	905
AC-FT	41200	41820	55080	56780	81340	128500	152900	169600	229100	147800	118800	107700

CAL YR 1985 TOTAL 391789 MEAN 1073 MAX 3230 MIN 397 AC-FT 777100
WTR YR 1986 TOTAL 670842 MEAN 1838 MAX 4460 MIN 491 AC-FT 1331000

e Estimated.

10078400 SODA CREEK AT FIVEMILE MEADOWS, NEAR SODA SPRINGS, ID

LOCATION.--Lat 42°43'45", long 111°36'55", in NW¼NE¼SW¼ sec. 13, T.8 S., R.41 E., Caribou County, Hydrologic Unit 16010202, on right bank 100 ft southeast of Lau ranch house, 150 ft downstream from Schmidt Ditch, and 5 mi north of Soda Springs.

DRAINAGE AREA.--51.7 mi^2.

PERIOD OF RECORD.--October 1964 to September 1986 (discontinued). April 1923 to October 1926, published as "at Lau Ranch." Records since October 1964 equivalent if Schmidt Ditch diversion is subtracted from flow past station.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,980 ft above National Geodetic Vertical Datum of 1929, from topographic map. April 1923 to October 1926 at different datum, and Oct. 1, 1964, to Aug. 26, 1965, at site 400 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Records herein include flow in Schmidt Ditch.

AVERAGE DISCHARGE.--22 years, 18.2 ft^3/s, 13,190 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130 ft^3/s Apr. 10, 1965, gage height, 2.43 ft; maximum gage height, 4.01 ft Apr. 2, 1965, site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63 ft^3/s Mar. 8, 9, gage height, 1.80 ft; minimum daily discharge, 9.0 ft^3/s Jan. 13-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	17	12	11	e14	21	31	37	33	32	32	33
2	24	17	12	12	e13	23	33	37	34	32	32	33
3	23	16	13	11	e13	26	34	36	34	32	32	33
4	23	16	12	e10	e13	30	34	37	34	31	32	32
5	23	17	12	e10	e12	32	33	37	35	32	32	32
6	23	16	12	11	e12	32	32	38	35	32	32	32
7	24	17	12	11	e12	34	32	39	35	32	32	32
8	24	18	12	10	e12	53	32	41	35	32	32	33
9	23	17	12	e9.1	11	63	32	41	35	32	32	34
10	22	e15	11	e9.2	11	56	32	41	35	33	31	35
11	22	e16	e10	e9.4	11	46	32	41	35	33	31	34
12	22	17	e10	e9.2	e14	40	33	40	34	32	31	34
13	22	17	e10	e9.0	e17	35	34	40	34	32	32	33
14	21	16	11	e9.0	e18	32	34	40	34	32	31	34
15	20	15	e10	e9.0	e19	29	35	39	34	32	31	33
16	20	15	e10	10	e18	27	37	39	33	33	32	33
17	20	15	e10	11	e17	26	37	39	33	33	31	33
18	19	15	e10	e13	e18	25	37	39	33	32	31	35
19	18	15	e10	e13	e19	25	35	39	33	32	31	35
20	19	15	e10	e13	e18	25	35	39	33	32	32	35
21	19	15	e10	e13	e16	26	35	39	33	32	32	35
22	20	13	e10	e12	e19	32	35	40	32	32	32	35
23	19	e12	e10	e13	e22	38	35	40	32	32	32	35
24	19	12	e10	e13	e24	43	37	39	32	32	33	36
25	19	13	e10	e13	e29	43	39	39	33	33	33	38
26	18	12	e10	e12	e26	36	41	39	33	33	33	38
27	18	12	e10	e12	21	34	40	40	33	33	33	39
28	17	12	e10	e12	21	33	39	36	32	33	32	39
29	17	13	e10	e12	---	32	38	30	32	32	33	39
30	17	13	e10	e13	---	31	38	32	32	32	33	39
31	17	---	e10	e14	---	31	---	31	---	32	33	---
TOTAL	636	449	331	348.9	470	1059	1051	1184	1005	999	991	1041
MEAN	20.5	15.0	10.7	11.3	16.8	34.2	35.0	38.2	33.5	32.2	32.0	34.7
MAX	24	18	13	14	29	63	41	41	35	33	33	39
MIN	17	12	10	9.0	11	21	31	30	32	31	31	32
AC-FT	1260	891	657	692	932	2100	2080	2350	1990	1980	1970	2060

CAL YR 1985 TOTAL 10098 MEAN 27.7 MAX 123 MIN 10 AC-FT 20030
WTR YR 1986 TOTAL 9564.9 MEAN 26.2 MAX 63 MIN 9.0 AC-FT 18970

e Estimated.

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE¼SW¼NW¼ sec. 17, T.9 S., R.41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 3 mi downstream from Soda Creek.

DRAINAGE AREA.--4,090 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--75 years, 823 ft^3/s, 596,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft^3/s Mar. 31, 1911; maximum gage height, 15.95 ft Dec. 11, 1919 (backwater from ice); minimum, 15 ft^3/s Aug. 24, 1979, when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,170 ft^3/s June 25; minimum daily, 216 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797	884	1080	1000	933	2240	2270	2430	2920	3550	2120	2200
2	754	882	1080	1000	933	2230	2360	2440	2930	3580	2070	2190
3	747	876	1090	953	955	2210	2460	2440	2950	3550	2070	1530
4	752	873	1090	939	989	1880	2490	2450	2930	3500	2080	2180
5	801	869	1090	942	986	1600	2490	2450	3050	3510	2070	2160
6	812	866	1090	943	e1080	1940	2490	2470	3150	3490	2070	2120
7	823	865	1080	944	e1080	1960	2360	2630	3450	3240	2060	2110
8	894	865	1080	915	e1050	2180	2310	2660	3440	3190	2060	2060
9	899	862	1080	897	e1050	2390	2330	2800	3260	3060	2050	2030
10	899	859	1070	884	e1080	2410	2330	2960	3540	2750	2050	2040
11	896	858	996	892	e1080	2410	2340	2960	3790	2720	2050	2030
12	894	860	825	893	e1060	2410	2340	2960	4160	2580	2050	2040
13	892	857	803	894	e1060	1890	2340	2950	3850	2420	2060	2050
14	890	871	800	903	e1060	1630	2340	2860	4020	2370	2060	2120
15	889	857	854	903	e1070	2200	2330	2810	4000	2360	2070	2130
16	820	874	905	897	e1200	2210	2330	2800	4000	2280	2080	2200
17	818	874	904	898	e1320	2140	2320	2770	4030	2210	2080	2350
18	821	899	902	900	e1420	2110	2310	2720	4040	2100	2080	2440
19	824	855	934	903	e1590	1930	2320	2370	3820	2040	2050	2430
20	827	866	1010	904	e1630	1830	2310	2780	4040	1980	2010	2410
21	833	851	1020	900	e1690	1880	2300	2860	4070	1990	2020	2470
22	834	849	1020	898	e1660	1920	2140	2750	4090	2000	2110	2090
23	833	816	1020	898	e1630	1950	2130	2840	4110	2000	2140	1850
24	832	793	1020	899	e1560	2090	2130	2880	4160	2010	2140	2070
25	832	797	1020	899	1940	2140	2150	2880	4170	2090	2130	2100
26	862	799	1020	899	2030	2150	2310	2880	3870	2200	2130	1890
27	885	797	1030	897	2120	2140	2440	2900	4070	2220	2230	1390
28	885	889	1030	890	2220	2150	2450	2900	3980	2220	2210	1180
29	880	996	1030	921	---	2180	2450	2920	3940	2220	2210	498
30	878	1060	1000	932	---	2190	2400	2920	3900	2210	2220	216
31	881	---	1000	933	---	2250	---	2920	---	2200	2210	---
TOTAL	26184	26119	30973	28370	37478	64840	70070	85160	111730	79820	65040	58572
MEAN	845	871	999	915	1338	2092	2336	2747	3724	2575	2098	1952
MAX	899	1060	1090	1000	2220	2410	2490	2960	4170	3580	2230	2470
MIN	747	793	800	884	933	1600	2130	2370	2920	1980	2010	216
AC-FT	51940	51810	61430	56270	74330	128600	139000	168900	221600	158300	129000	116200

CAL YR 1985 TOTAL 433566 MEAN 1188 MAX 3860 MIN 598 AC-FT 860000
WTR YR 1986 TOTAL 684354 MEAN 1875 MAX 4170 MIN 216 AC-FT 1357000

e Estimated.

10084500 COTTONWOOD CREEK NEAR CLEVELAND, ID

LOCATION.--Lat 42°19'57", long 111°46'27", in NW¼SE¼SW¼ sec.34, T.12 S., R.40 E., Franklin County, Hydrologic Unit 16010202, on right bank 500 ft upstream from Cleveland irrigation canal, 2.5 mi west of Cleveland, and 4 mi downstream from proposed Cottonwood Dam.

DRAINAGE AREA.--61.7 mi^2.

PERIOD OF RECORD.--November 1936 to September 1986 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,150 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Dec. 29, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. A few small diversions for irrigation of meadowland in Cottonwood Valley above station. Treasureton Canal diverts from Cottonwood Creek 10.1 mi above station for irrigation in Battle Creek basin in vicinity of Treasureton.

AVERAGE DISCHARGE.--47 years, 34.2 ft^3/s, 24,780 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,090 ft^3/s May 15, 1984, gage height, 4.34 ft; no flow Feb. 19-21, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 8	2100	443	3.36	May 3	2400	308	3.00
Mar. 30	2200	*485	*3.43	May 21	0100	277	2.91
Apr. 24	0700	290	2.95				

Minimum daily discharge, 7.0 ft^3/s Dec. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	e14	17	20	135	237	179	178	32	20	12
2	11	13	e14	17	22	134	229	208	167	31	19	12
3	11	12	e15	17	22	136	196	248	155	31	19	12
4	11	12	e16	17	20	144	180	279	147	30	19	12
5	11	15	e17	e16	18	155	172	225	136	30	16	12
6	11	14	e16	e14	20	167	178	212	120	29	15	11
7	13	15	e15	e11	17	177	200	186	110	30	15	12
8	15	17	e15	e9.0	12	205	195	179	108	32	16	13
9	16	16	e14	e8.6	12	283	198	186	103	27	16	16
10	14	13	e13	e9.0	10	190	195	161	95	27	16	22
11	14	16	e9.0	e8.6	12	152	208	154	88	27	15	16
12	13	16	e7.1	e8.5	14	132	205	142	82	26	14	15
13	13	16	e7.0	e9.0	16	121	205	142	69	25	14	14
14	13	15	e8.6	e12	18	110	195	154	66	24	14	13
15	12	14	e8.2	e14	27	98	180	147	64	24	14	13
16	12	14	e7.8	16	48	91	196	151	60	30	14	13
17	12	15	e8.6	17	48	89	176	151	57	38	13	13
18	12	15	e11	17	82	81	165	164	54	30	12	16
19	12	11	e12	17	154	77	154	192	51	27	13	17
20	12	11	e14	17	126	80	163	223	48	26	13	27
21	12	10	e15	16	85	93	195	240	47	25	26	20
22	14	9.6	16	16	69	119	227	221	46	25	16	17
23	16	8.5	17	17	103	152	247	183	44	26	15	15
24	20	7.9	16	16	146	184	270	172	41	29	16	20
25	19	8.0	16	15	145	167	250	182	40	30	14	30
26	16	e10	16	14	147	187	219	201	39	31	13	26
27	14	e14	16	14	152	216	200	212	36	24	12	29
28	14	e16	16	15	141	277	188	209	35	25	12	30
29	14	e17	15	15	---	336	189	205	34	22	14	25
30	13	e16	16	15	---	369	179	196	33	22	17	27
31	13	---	16	18	---	267	---	186	---	21	13	---
TOTAL	414	400.0	417.3	442.7	1706	5196	5991	5870	2357	856	470	532
MEAN	13.4	13.3	13.5	14.3	60.9	168	200	189	78.6	27.6	15.5	17.7
MAX	20	17	17	18	154	369	270	279	178	38	26	30
MIN	11	7.9	7.0	8.5	10	77	154	142	33	21	12	11
AC-FT	821	793	828	878	3380	10310	11880	11640	4680	1700	930	1060

CAL YR 1985		TOTAL	13023.3	MEAN	35.7	MAX	303	MIN	5.0	AC-FT	25830
WTR YR 1986		TOTAL	24661.0	MEAN	67.6	MAX	369	MIN	7.0	AC-FT	48920

e Estimated.

BEAR RIVER BASIN

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

LOCATION.--Lat 42°18'00", long 111°43'04", in NE¼SE¼NW¼ sec.28, T.12 S., R.40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant, and 8 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi².

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only, October 1921 to September 1945, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--65 years, 908 ft³/s, 657,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 ft³/s May 8, 1922; minimum, 3.0 ft³/s June 13, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,370 ft³/s June 13, gage height, 9.00 ft; minimum daily, 531 ft³/s Nov. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	804	1300	1160	1360	1680	2660	3760	2930	3120	e3690	1440	1390
2	1130	1350	1910	1290	1170	3020	3660	2790	3080	e3480	1800	2680
3	969	1230	1170	1300	e1270	2740	3750	2840	3070	e3320	1870	2540
4	820	1360	1300	1290	e1550	2970	3690	3020	3080	e3030	1730	2840
5	935	1190	538	1200	e1440	2810	3520	3040	3160	e3240	1640	2310
6	952	1190	1240	1160	e1300	2190	3360	3000	3070	e3380	1930	2790
7	981	930	653	1230	e1440	2580	3250	3000	3050	e3410	1410	1380
8	1010	1310	1670	1030	e1440	2920	3180	3030	3230	3100	2830	2770
9	1110	1820	1230	1100	e1370	3190	3110	3120	3460	3140	1390	2500
10	1180	1720	1860	1310	e1250	3570	3000	3180	3500	2970	2010	2730
11	1150	1020	1050	1220	e1600	3210	2880	3390	3210	2560	1520	2710
12	1200	1420	959	1210	e1120	3610	2800	3460	3250	2360	1540	2690
13	1200	1450	928	1240	e1550	3250	3030	3380	3620	2630	1690	2870
14	1190	776	987	1230	e1620	3310	3030	3210	4070	2080	2340	2650
15	1130	1030	1210	1230	e1400	2710	2970	3150	4020	1230	2220	2630
16	978	616	796	1230	e2450	2920	2820	3130	3830	2060	1560	2610
17	836	902	1400	1380	e2330	2940	3010	3120	3790	2160	1560	2590
18	987	1670	1270	1440	e2410	2350	2990	3110	3670	1730	1420	2580
19	1060	754	978	1380	e2670	2750	2920	3100	3660	1420	1870	2640
20	1050	1030	1510	1380	e3190	3100	2800	2980	e3920	1780	1830	2730
21	1000	673	1170	1330	2320	2960	2590	3020	e3710	2090	2120	2780
22	1080	951	1250	1230	2030	2820	2720	3030	e3670	1370	1640	2820
23	1080	1330	1120	1400	2170	2490	2630	3040	e3940	1830	1480	2880
24	1050	531	1210	1460	2190	2520	2750	3050	e3820	1940	1560	2740
25	1050	1530	1280	1310	2320	2530	3010	3060	e4060	2650	2810	2710
26	1110	909	1310	1300	1910	2820	3170	3070	e3920	1930	2160	2150
27	1140	1140	1220	1300	2560	2810	3200	3080	e3760	1400	2300	1730
28	1130	888	1360	1130	2780	2960	3170	3140	e4040	1800	1540	1690
29	1200	1310	1160	1090	---	3090	3040	3230	e3840	1990	2580	1670
30	1100	1110	1210	1080	---	3090	2970	3210	e3710	1960	2600	1740
31	1390	---	1240	1810	---	3260	---	3190	---	1540	2520	---
TOTAL	33102	35140	37369	39650	52530	90130	92880	96200	107310	73090	58710	73340
MEAN	1068	1171	1205	1279	1876	2908	3096	3103	3577	2358	1894	2445
MAX	1390	1930	1910	1810	3190	3610	3760	3460	4070	3690	2830	2880
MIN	804	531	538	1030	1120	2190	2590	2790	3050	1230	1390	1380
AC-FT	65660	69700	74120	78650	104200	178800	184200	190800	212800	145000	116500	145500

CAL YR 1985	TOTAL 489760	MEAN 1342	MAX 4260	MIN 297	AC-FT 971400
WTR YR 1986	TOTAL 789471	MEAN 2163	MAX 4070	MIN 531	AC-FT 1566000

e Estimated.

10090500 BEAR RIVER NEAR PRESTON, ID

LOCATION.--Lat 42°10'05", long 111°50'59", in NW¼NE¼NW¼ sec.36, T.14 S., R. 39 E., Franklin County, Hydrologic Unit 16010202, on left bank 600 ft downstream from headgates of West Cache Canal, 5 mi downstream from Mink Creek, 5 mi north of Preston, and 5.5 mi upstream from Battle Creek.

DRAINAGE AREA.--4,545 mi^2.

PERIOD OF RECORD.--October 1889 to December 1916, January to September 1917 (gage heights only), October 1943 to September 1986 (discontinued). Prior to 1903 published as "at Battlecreek." Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 203: 1905-7. WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,524.8 ft above National Geodetic Vertical Datum of 1929. October 1889 to September 1917, nonrecording gages at several sites within 5 mi downstream at different datums.

REMARKS.--Records good. Station is below all irrigation diversions from Bear River in Idaho except Cub River pumps in SE¼ sec. 20, T.16 S., R.39 E. Natural flow of stream affected by storage reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--43 years (water years 1944-86), 985 ft^3/s, 713,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD (since 1943).--Maximum discharge, 4,900 ft^3/s June 12, 1986, gage height, 5.61 ft; no flow Sept. 10-11, 1980.

1889-1917: Maximum flood occurred June 9, 10, 1907, about 8,500 ft^3/s, estimated on basis of records for downstream station Bear River near Collinston (station 10118000), site and datum then in use. Maximum gage height observed, 9.04 ft Jan. 17, 18, 1917 (backwater from ice), site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,900 ft^3/s June 12, gage height, 5.61 ft; minimum daily discharge, 394 ft^3/s Nov. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	884	999	1100	e1200	1450	2870	3430	3360	3920	3850	2310	2490
2	1240	1330	1520	e1350	1100	2950	3340	3210	3860	3570	1620	2280
3	1150	1240	1340	e1300	1380	3050	3410	3400	3880	3450	2040	2600
4	1000	1390	1040	e1270	1280	2960	3360	3550	3930	3280	2040	2540
5	983	1240	836	e1250	1490	2850	3500	3570	3900	3300	2220	2340
6	993	1310	1170	e1210	1300	2260	3300	3520	3820	3320	1980	2140
7	1020	967	649	e1200	1170	2630	3270	3500	3940	3320	1970	2210
8	1040	1340	1270	e1200	1470	3010	3200	3570	4180	3150	1940	2310
9	1120	1500	1380	e930	1480	3550	3130	3660	4260	2860	1770	2270
10	1200	1440	1850	e1100	1250	3500	3040	3730	4010	2860	1730	2490
11	1180	1320	940	e1240	1390	3290	2920	3820	3970	2650	2280	2470
12	1240	1430	1100	e1190	1200	3470	2880	3990	4390	2290	1990	2450
13	1230	1110	1110	e1150	1420	3050	3090	3910	4750	2000	1970	2370
14	1230	879	958	e1140	1340	2630	3170	3750	4660	2080	2040	2410
15	1180	811	1040	e1170	1600	2270	3180	3670	4520	2030	1860	2400
16	1020	1100	1740	e1200	2540	2680	3170	3860	4480	2100	1890	2390
17	895	769	1870	1200	2480	2860	3250	3640	4280	2010	2050	2380
18	1020	1280	1640	1280	3340	2750	3220	3630	4420	1840	2270	2400
19	1090	1030	952	1220	3670	2840	3140	3600	4400	1380	2030	2480
20	1090	1620	1560	1240	3480	2330	3030	3480	4200	2020	1810	2550
21	1060	976	e1420	1200	2680	2410	2830	3560	4080	1780	2240	2590
22	1110	914	e1200	1120	2210	2280	3000	3670	4190	1790	1690	2870
23	1130	1230	e1100	1210	2710	2600	2970	3730	4290	1590	2090	2810
24	1100	394	e1080	1330	2840	2580	3200	3730	4330	1470	2260	2680
25	1100	1690	e1150	1160	2770	2700	3510	3720	4390	2240	2460	2700
26	1160	874	e1090	1170	2610	2810	3850	3760	4210	1600	2190	2230
27	1180	951	e1000	1130	3030	2680	3640	3830	4070	2290	2360	1800
28	1020	835	e1010	1020	2970	2850	3660	3990	4200	2100	2130	1760
29	1240	1210	e1050	973	---	2850	3550	4050	4050	2320	2160	1720
30	1350	1380	e1080	949	---	2970	3410	4030	3850	2160	2300	1750
31	1450	---	e1110	1610	---	2900	---	4010	---	1890	2090	---
TOTAL	34705	34759	37353	36912	57650	87230	97260	114400	125410	74570	63780	70860
MEAN	1120	1159	1205	1191	2059	2814	3242	3690	4180	2405	2057	2362
MAX	1450	1690	1870	1610	3670	3550	3850	4050	4750	3850	2460	2810
MIN	884	394	649	930	1100	2260	2830	3210	3820	1380	1620	1720
AC-FT	68840	68940	74090	73210	114300	173000	192900	228000	248800	147900	126500	140600

CAL YR 1985	TOTAL	498615	MEAN	1366	MAX	4540	MIN	97	AC-FT	989000
WTR YR 1986	TOTAL	834889	MEAN	2287	MAX	4750	MIN	394	AC-FT	1656000

e Estimated.

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NW¼NE¼ sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston, Idaho.

DRAINAGE AREA.--4,881 mi^2.

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 10, 1982, at datum 2.00 ft higher. Sept. 10, 1982, to Sept. 30, 1985, at datum 10.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--16 years, 1,457 ft^3/s, 1,056,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft^3/s June 14, 1984, gage height, 9.20 ft; minimum observed, 73 ft^3/s June 29, 1978. Maximum gage height, 19.19 ft Feb. 19, 1986, at datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,840 ft^3/s Feb. 19, gage height, 19.19 ft; minimum daily, 637 ft^3/s Nov. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	1280	1240	e1330	1760	3390	3550	3780	4110	3990	2520	2480
2	1040	1490	1830	e1460	1550	3550	3750	3690	4040	3890	1640	2390
3	1250	1420	1430	e1450	1380	3430	3790	3660	4020	3690	1990	2680
4	1090	1280	1640	e1400	1630	3470	3770	3820	4020	3460	1920	2690
5	1040	1200	1160	e1350	1680	3320	3680	3930	4080	3470	2030	2480
6	1040	1430	1120	e1300	1570	2820	3670	3900	4040	3480	1980	2510
7	1080	1070	1190	e1280	1490	3070	3660	3880	4030	3470	1820	2190
8	1090	1400	1290	e1280	1470	3360	3590	3930	4210	3410	1850	2640
9	1150	1090	2010	e1230	1460	3790	3530	3950	4390	3050	1920	2480
10	1240	1640	1820	e1220	1330	3970	3510	4040	4350	3070	1570	2690
11	1310	1480	1540	e1290	1620	3750	3370	4050	4080	2920	1940	2680
12	1270	1390	e1200	e1280	1280	3940	3310	4250	4210	2510	1880	2660
13	1310	1030	e1220	e1250	1630	3830	3360	4250	4620	2470	1940	2640
14	1310	1100	e1150	e1230	1560	3430	3480	4150	4680	2300	1840	2620
15	1310	865	e1400	e1260	1970	2710	3500	4020	4550	2190	1780	2600
16	1210	1220	e1800	e1280	3320	3050	3500	3980	4490	2030	1960	2580
17	1070	637	e1930	e1350	3500	3300	3550	3970	4430	2240	1850	2560
18	995	968	e1900	e1380	4110	3220	3560	3950	4290	2010	1960	2580
19	1090	1670	e1700	e1330	4600	3050	3500	3940	4390	1980	1920	2630
20	1180	1350	e1700	e1310	4710	3000	3400	3880	4350	1830	1940	2720
21	1160	1650	e1700	e1270	3720	2720	3180	3810	4140	1740	1960	2770
22	1150	916	e1510	e1270	3480	2840	3290	3940	4170	1650	2070	2800
23	1220	1320	e1300	e1320	3380	2860	3270	4000	4310	1650	1980	2990
24	1180	1230	e1250	e1410	3490	3100	3470	3960	4350	1670	2210	2890
25	1170	1550	e1300	e1350	3580	2970	3710	3920	4410	1930	2310	2890
26	1190	1330	e1300	e1250	3170	3230	4010	3920	4380	1870	2230	2730
27	1230	e1020	e1130	e1190	3580	3080	4020	3960	4230	2230	2380	2010
28	1240	e1100	e1120	e1150	3550	3220	4000	4050	4200	2200	2170	1990
29	1080	1330	e1130	e1110	---	3210	3990	4140	4250	2150	2230	1850
30	1310	1860	e1200	e1140	---	3270	3850	4140	4090	2190	2400	1940
31	1210	---	e1280	1580	---	3430	---	4150	---	1980	2310	---
TOTAL	36405	38316	44490	40320	71570	101180	107820	123010	127890	78920	62500	76340
MEAN	1174	1277	1435	1301	2556	3264	3594	3968	4263	2546	2016	2545
MAX	1310	1860	2010	1580	4710	3970	4020	4250	4680	3990	2520	2990
MIN	995	637	1120	1110	1280	2710	3180	3660	4020	1650	1570	1850
AC-FT	72210	76000	88250	79970	142000	200700	213900	244000	253700	156500	124000	151400

CAL YR 1985 TOTAL 548126 MEAN 1502 MAX 4720 MIN 110 AC-FT 1087000
WTR YR 1986 TOTAL 908761 MEAN 2490 MAX 4710 MIN 637 AC-FT 1803000

e Estimated.

10093000 CUB RIVER NEAR PRESTON, ID

LOCATION.--Lat 42°08'25", long 111°41'26", in NW¼NW¼NE¼ sec.8, T.15 S., R.41 E., Franklin County, Hydrologic Unit 16010202, Cache National Forest, on right bank 0.2 mi upstream from headgates of Cub River-Worm Creek Canal, 0.7 mi upstream from forest boundary, and 10 mi east of Preston.

DRAINAGE AREA.--31.6 mi^2.

PERIOD OF RECORD.--March 1940 to September 1952, Octcber 1955 to September 1986 (discontinued).

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,285.1 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--43 years, 87.6 ft^3/s, 63,470 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft^3/s June 4, 1986, gage height, 3.95 ft; no flow for part of Jan. 29, 1965, result of snowslide.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft^3/s June 4, gage height, 3.95 ft; minimum daily discharge, 16 ft^3/s Jan. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	25	22	18	22	59	183	154	793	320	87	50
2	28	25	22	18	22	60	156	173	900	298	85	50
3	31	24	23	18	22	59	140	217	1000	281	83	49
4	30	24	22	18	21	62	130	271	1020	271	81	48
5	29	25	22	18	21	66	120	286	1010	256	78	48
6	27	25	22	e17	20	67	114	242	973	237	77	47
7	29	25	22	e16	20	67	117	213	915	221	75	47
8	28	25	22	e16	e18	87	116	190	880	207	73	46
9	29	25	21	e17	e18	105	117	184	793	199	73	47
10	27	24	e19	17	19	85	114	177	731	188	71	45
11	27	25	e17	17	19	73	114	179	685	177	70	45
12	28	24	e17	17	19	64	117	168	699	168	69	44
13	27	24	e18	17	20	59	115	164	722	157	67	43
14	27	24	20	17	19	54	112	165	737	152	67	43
15	25	23	20	18	25	51	109	167	736	146	65	42
16	25	23	20	18	30	49	113	166	728	141	65	42
17	25	23	20	19	35	47	112	165	714	138	64	41
18	24	23	19	19	58	44	107	175	701	131	62	41
19	24	23	19	19	88	42	104	204	670	126	62	40
20	25	23	19	20	63	42	98	264	657	121	61	40
21	25	23	19	19	45	42	104	343	624	120	61	39
22	26	23	19	19	34	47	128	425	584	117	59	39
23	27	e22	e19	19	46	53	189	376	540	115	58	38
24	25	23	19	18	58	63	251	314	498	113	58	41
25	24	24	19	18	63	69	243	313	467	110	56	41
26	24	22	e19	18	67	66	221	399	438	107	54	40
27	25	22	19	18	66	71	195	519	414	106	53	39
28	25	23	20	18	61	83	181	604	392	101	53	38
29	25	23	19	18	---	105	178	640	372	96	52	38
30	25	22	19	18	---	131	160	754	346	93	52	38
31	25	---	18	20	---	161	---	765	---	90	51	---
TOTAL	819	709	615	557	1019	2133	4258	9376	20739	5103	2042	1289
MEAN	26.4	23.6	19.8	18.0	36.4	68.8	142	302	691	165	65.9	43.0
MAX	31	25	23	20	88	161	251	765	1020	320	87	50
MIN	24	22	17	16	18	42	98	154	346	90	51	38
AC-FT	1620	1410	1220	1100	2020	4230	8450	18600	41140	10120	4050	2560

CAL YR 1985 TOTAL 27581 MEAN 75.6 MAX 463 MIN 17 AC-FT 54710
WTR YR 1986 TOTAL 48659 MEAN 133 MAX 1020 MIN 16 AC-FT 96520

e Estimated.

12303000 KOOTENAI RIVER AT LIBBY, MT

LOCATION.--Lat 48°24'03", long 115°33'08", in SW¼SE¼SW¼ sec.34, T.31 N., R.31 W., Lincoln County, Hydrologic Unit 17010101, on right bank 1,800 ft downstream from highway bridge at Libby, 0.8 mi downstream from Libby Creek, and at mile 204.3.

DRAINAGE AREA.--10,240 mi^2, approximately.

PERIOD OF RECORD.--October 1910 to current year. Monthly discharge only for some periods, published in WSP 1316.

REVISED RECORDS.--WSP 1042: 1933. WSP 1246: 1912(M), 1915(M), 1916, 1918-19(M), 1924-27(M).

GAGE.--Water-stage recorder. Datum of gage is 2,041.54 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 28, 1931, nonrecording gages at site 1,800 ft upstream at different datum.

REMARKS.--No estimated daily discharges this year. Records fair. Flow regulated by Lake Koocanusa (station number 12301920) since Mar. 21, 1972. Diversions for irrigation of about 14,500 acres from tributaries upstream from station in Canada and the United States. Several observations of water temperature and specific conductance were made during the year and are published as miscellaneous water-quality data in the back of this report.

AVERAGE DISCHARGE.--76 years, 12,100 ft^3/s, 16.04 in./yr, 8,766,000 acre-ft/yr, adjusted for change in contents in Lake Koocanusa since Mar. 21, 1972.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft^3/s June 21, 1916, gage height, 20.7 ft, present datum, derived from gage-relation study; minimum observed, 895 ft^3/s Jan. 11, 1930, result of discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,900 ft^3/s Nov. 4, gage height, 8.47 ft; minimum daily, 4,210 ft^3/s Dec. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14700	21200	20600	19700	6260	6840	9670	4330	6560	18700	15000	4960
2	14700	22200	20000	19700	4490	6950	9020	4290	6340	22300	9650	9360
3	14100	23200	20100	19700	4500	7080	8490	4610	8330	16900	9100	16800
4	13300	24800	20200	18600	4500	7100	8190	4940	11800	14200	14400	19900
5	14700	20600	20100	19500	4520	7130	6540	5240	11200	14400	11700	21700
6	14900	7120	20200	19500	4490	7070	6390	5230	10800	18700	9800	11200
7	15100	6390	19200	19300	4460	7280	7850	4990	10700	20100	9290	4800
8	17400	6000	9530	19300	4410	8560	7820	4890	10500	17500	8960	8470
9	19600	14000	4380	18700	4410	8520	6440	4820	10600	17300	7930	18800
10	19700	21900	4310	18800	4470	7910	6680	4780	10900	17200	6410	23100
11	19400	21700	4230	18800	4370	7370	6580	4650	13000	15600	8700	23100
12	19800	21500	4270	18800	4380	7000	6390	4510	11400	9810	8150	23100
13	12900	21100	4300	18500	4350	8070	6120	4740	10600	9470	6490	23200
14	18900	21500	4260	16400	4320	6580	5930	4950	10500	15600	10200	23200
15	20000	21600	4250	17200	4410	6380	5800	4690	10500	16900	10300	23300
16	20200	21700	4240	17700	4390	6190	5740	4490	12100	16100	8340	23400
17	20300	21700	4230	17600	4570	7180	5720	4420	12100	17100	8100	23400
18	20200	21600	4210	14000	4660	7050	5620	4400	15000	16900	8700	23500
19	20300	21400	4260	4440	4580	7200	5520	4670	14900	11100	8180	22700
20	20300	20500	4250	4680	4480	7130	5440	5330	14800	13800	7290	18100
21	20400	20900	12900	11200	4450	7110	5490	5580	9850	20300	10100	7270
22	20500	20900	19800	17600	4430	5910	6040	5440	8560	17500	10600	6490
23	20700	20500	19800	17600	4420	5900	6570	4880	11500	17300	7960	10400
24	20700	20500	19900	17700	4950	7880	6160	4670	10100	18500	7260	14500
25	22400	20700	20000	17800	7280	8500	5600	4740	9860	18400	9340	14500
26	22500	20600	19800	17900	8430	5920	4830	5340	15000	12300	9570	14500
27	22100	20600	19800	17900	7750	7280	4670	6150	16800	13600	10200	14500
28	22000	20700	19800	17800	7130	6220	4630	6670	16400	14800	6630	7220
29	21400	20700	19700	17900	---	6950	4520	6530	14400	13600	6480	6410
30	19700	20700	19700	17600	---	8050	4420	6990	16500	14700	6600	10100
31	16800	---	19700	17700	---	10400	---	6800	---	14900	5670	---
TOTAL	579700	588510	412020	530820	139860	224710	188880	158760	351600	495580	279100	471980
MEAN	18700	19620	13290	17120	4995	7249	6296	5121	11720	15990	9003	15730
MAX	22500	24800	20600	19700	8430	10400	9670	6990	16800	22300	15000	23500
MIN	12900	6000	4210	4440	4320	5900	4420	4290	6340	9470	5670	4800
CFSM	1.83	1.92	1.30	1.67	.49	.71	.61	.50	1.14	1.56	.88	1.54
IN.	2.11	2.14	1.50	1.93	.51	.82	.69	.58	1.28	1.80	1.01	1.71
AC-FT	1150000	1167000	817200	1053000	277400	445700	374600	314900	697400	983000	553600	936200
†MEAN	6684	6310	3776	3594	4437	9363	12093	28426	39281	17174	8629	5986
†CSFM	0.65	0.62	0.37	0.35	0.43	0.91	1.18	2.78	3.84	1.68	0.84	0.58
†IN	0.75	0.69	0.43	0.40	0.45	1.05	1.32	3.20	4.28	1.93	0.97	0.65
†AC-FT	411000	376000	232200	221000	246400	575700	719600	1747800	2337400	1056000	530600	356200

OBSERVED

CAL YR 1985	TOTAL	3720600	MEAN	10190	MAX	24800	MIN	3390	AC-FT	7380000
WTR YR 1986	TOTAL	4421520	MEAN	12110	MAX	24800	MIN	4210	AC-FT	8770000

ADJUSTED

CAL YR 1985	TOTAL	3649609	MEAN	9999	CFSM	0.98	IN	13.25	AC-FT	7239000
CAL YR 1986	TOTAL	4441644	MEAN	12169	CFSM	1.19	IN	16.13	AC-FT	8810000

(†) Adjusted for change in contents in Lake Koocanusa.

12304500 YAAK RIVER NEAR TROY, MT

LOCATION.--Lat 48°33'43", long 115°58'08", in NE¼SE¼SE¼ sec.5, T.32 N., R.34 W., Lincoln County, Hydrologic Unit 17010103, Kootenai National Forest, on right bank 500 ft upstream from bridge on U.S. Highway 2, 0.2 mi upstream from mouth, and 7.7 mi northwest of Troy.

DRAINAGE AREA.--766 mi^2.

PERIOD OF RECORD.--October 1910 to September 1916 (fragmentary record), March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,839.2 ft above National Geodetic Vertical Datum of 1929. Oct. 15, 1910, to Sept. 30, 1916, nonrecording gage at several sites within 11 mi of present site at various datums.

REMARKS.--Estimated daily discharges: Oct. 1, Nov. 12 to Jan. 7, 14-25. Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 30 acres upstream from station. Several observations of water temperature and specific conductance were made during the year and are published as miscellaneous water-quality data in the back of this report.

AVERAGE DISCHARGE.--30 years, 888 ft^3/s, 15.74 in./yr, 643,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft^3/s May 21, 1956, gage height, 9.70 ft, in gage well, 10.8 ft, from outside gage; minimum daily, 50 ft^3/s Dec. 9, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May to June 1948 reached a stage of 11.0 ft, from floodmarks; discharge, 12,500 ft^3/s. Flood in May 1954 reached a stage of 11.4 ft, from floodmarks; discharge, 13,400 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximums (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 23	0200	*4,550	*7.10	No peaks greater than base discharge.			

Minimum, 98 ft^3/s Aug. 29, gage height, 2.88 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	734	260	210	353	1430	3050	1710	2800	447	218	171
2	165	1350	270	220	420	1530	2510	1690	2520	411	207	159
3	168	2180	280	215	421	1530	2200	2060	2240	401	200	148
4	162	2810	290	210	406	1500	2050	2490	1980	389	190	135
5	159	2820	310	200	391	1560	1980	2870	1840	391	184	134
6	187	1990	320	210	367	1530	1960	2720	1790	386	174	129
7	222	1580	330	220	322	1780	1960	2530	1550	363	174	122
8	204	1370	350	225	304	2040	2040	2440	1330	340	168	122
9	174	1190	320	233	340	2690	2280	2420	1220	331	159	127
10	165	967	300	244	358	2230	2580	2470	1140	331	153	134
11	187	776	280	244	313	1930	2530	2320	1050	344	148	140
12	214	700	270	236	322	1740	2280	2120	982	400	145	132
13	207	660	265	214	296	1620	2000	2600	894	406	145	132
14	204	620	260	205	279	1490	1860	2760	831	382	145	132
15	240	570	270	200	313	1370	1730	2370	823	335	137	132
16	334	540	270	205	313	1280	1730	2090	768	309	129	134
17	435	520	280	210	335	1760	1700	1970	714	322	124	137
18	387	490	280	220	322	1150	1590	2010	680	346	122	140
19	336	450	280	300	309	1090	1490	2330	674	322	119	148
20	340	410	280	400	282	1080	1450	3060	624	296	114	142
21	358	380	275	380	313	1150	1630	3530	623	271	112	140
22	391	360	270	360	292	1370	2850	3320	587	255	110	134
23	421	330	265	340	283	1320	4380	2790	545	259	110	129
24	436	310	260	330	376	1420	3750	2500	507	279	110	129
25	1360	315	255	310	921	1500	3040	2550	484	283	107	142
26	1430	320	250	297	1540	1380	2600	3080	462	316	107	142
27	1190	310	240	304	1550	1310	2320	3700	441	353	105	156
28	1180	290	230	340	1440	1630	2180	3940	416	317	102	184
29	1040	280	220	331	---	2310	2000	3830	452	270	100	174
30	881	270	210	326	---	3130	1850	3490	478	255	132	204
31	782	---	200	322	---	3750	---	3160	---	233	183	---
TOTAL	14134	25902	8440	8261	13491	53500	67570	82920	31525	10335	4433	4284
MEAN	456	863	272	266	482	1726	2252	2675	1051	333	143	143
MAX	1430	2820	350	400	1550	3750	4380	3940	2800	447	218	204
MIN	159	270	200	200	279	1080	1450	1690	416	233	100	122
CFSM	.60	1.13	.36	.35	.63	2.25	2.94	3.49	1.37	.43	.19	.19
IN.	.69	1.26	.41	.40	.66	2.60	3.28	4.03	1.53	.50	.22	.21
AC-FT	28030	51380	16740	16390	26760	106100	134000	164500	62530	20500	8790	8500

CAL YR 1985	TOTAL	266721	MEAN	731	MAX	4550	MIN	60	CFSM .95	IN.	12.95	AC-FT 529000
WTR YR 1986	TOTAL	324785	MEAN	890	MAX	4380	MIN	100	CFSM 1.16	IN.	15.77	AC-FT 644200

12305000 KOOTENAI RIVER AT LEONIA, ID

LOCATION.--Lat 48°37'04", long 116°02'47", in NW¼NW¼NW¼ sec.20, T.33 N., R.34 W., principal Meridian, Lincoln County, Mont., Hydrologic Unit 17010104, on right bank at Leonia, 450 ft east of Montana-Idaho State line, 0.5 mi upstream from Boulder Creek, and at mile 171.6.

DRAINAGE AREA.-- 11,740 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,790.25 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1970, at datum 90 ft lower. Prior to Nov. 13, 1928, nonrecording gage on bridge 250 ft upstream at datum 90.41 ft lower.

REMARKS.--Estimated discharge record Nov. 23 to Jan. 9, June 3 to July 21, records fair. Diversions above station for irrigation of about 14,600 acres. Flow regulated by Lake Koocanusa since Mar. 21, 1972. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--58 years, 13,910 ft^3/s, 16.09 in./yr, 10,080,000 acre-ft/yr (flows not adjusted for storage change in upstream reservoir).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft^3/s May 28, 1948, gage height, 33.40 ft; minimum, 996 ft^3/s Dec. 9, 1936; minimum gage height, 7.56 ft Dec. 10, 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of June 1894 and 1916 reached stages of 34.6 and 31.6 ft, respectively, present datum, from information by Great Northern Railway.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,000 ft^3/s, gage height, 20.17 ft Nov. 4; minimum discharge, 4,760 ft^3/s Sept. 8.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

10.0	4030	16.0	18900
12.0	7410	20.0	26100
14.0	12400		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15200	22500	22200	21000	11300	10500	16500	7940	12500	19400	15600	5610
2	15100	26700	21700	20900	5840	10800	14800	7760	12000	22600	12700	7830
3	14700	29700	21500	21000	5800	10900	13600	8620	11900	19000	9920	15400
4	13800	33700	21700	21000	5760	10900	13100	9740	15000	16900	12700	21100
5	15100	33300	21600	21000	5720	11000	10900	10600	15100	15200	13400	22400
6	16100	12600	21700	20400	5690	10900	10700	10400	14400	18800	10400	15000
7	16700	10500	21200	20600	5590	11500	12300	9930	14000	20600	10400	7050
8	17500	9600	13500	20600	5450	15400	12400	9710	13400	19000	9510	6450
9	20100	13200	6960	20100	5480	15000	11200	9640	13200	18600	9640	17100
10	20500	25400	5390	19500	5520	13700	11900	9670	13300	18500	7730	24300
11	20300	24800	5060	19500	5480	12400	11800	9260	14200	17600	8020	24500
12	20900	24300	5020	19600	5380	11500	11300	8800	14600	13400	9400	24500
13	13700	23600	5090	19200	5310	10900	10500	9980	12600	10500	8840	24600
14	20300	24000	5110	17600	5250	10800	9980	10400	12300	14000	9530	24700
15	20600	24000	5080	17400	5410	10000	9620	9590	12400	17300	10700	24800
16	21500	24300	5040	18200	5480	9620	9550	8850	13200	17400	10500	25000
17	21800	24300	5060	18300	5640	9330	9430	8600	13600	17900	8770	25000
18	21600	24000	4970	17500	5650	9140	9110	8620	16000	18000	8910	25200
19	21600	23700	4900	6370	5650	8830	8850	9380	16200	14800	8700	24200
20	21700	22200	4900	6240	5440	8620	8690	11400	16300	13400	8470	20000
21	21800	22600	9830	9010	5430	8690	8970	12700	12700	21400	8660	10400
22	22000	22400	10600	18500	5410	9190	11200	11700	10100	19500	11000	7240
23	22200	22400	20800	18700	5400	9090	14000	10600	11500	17700	9890	9100
24	22500	22200	21100	18600	6260	10900	12600	9760	11600	19100	7850	14600
25	27300	22200	21200	18600	9990	12600	11200	9830	10800	19300	8680	14800
26	27800	22400	21100	18700	12400	9230	9600	11400	14500	14200	9930	14700
27	26300	22400	21100	18700	11800	10600	9090	13400	17400	14200	11200	14800
28	26000	22500	21100	18600	10900	9860	8870	14600	17700	14800	7840	9870
29	25200	22300	21000	18800	---	11600	8530	14200	16200	13900	6960	7160
30	23600	22400	20900	18500	---	14400	8200	14100	16800	15400	6900	8950
31	18400	---	20900	18500	---	18600	---	13400	---	15500	7460	---
TOTAL	631800	680200	437510	561220	184430	346300	328580	324510	415500	527900	300210	496360
MEAN	20380	22670	14110	18100	6587	11170	10950	10470	13850	17030	9684	16550
MAX	27800	33700	22200	21000	12400	18600	16500	14600	17700	22600	15600	25200
MIN	13700	9600	4900	6240	5250	8620	8200	7760	10100	10500	6900	5610
AC-FT	1253000	1349000	867800	1113000	365800	686900	651700	643700	824100	1047000	595500	984500

CAL YR 1985	TOTAL	4340110	MEAN	11890	MAX	33700	MIN	3680	AC-FT	8609000
WTR YR 1986	TOTAL	5234820	MEAN	14340	MAX	33700	MIN	4900	AC-FT	10383000

12305000 KOOTENAI RIVER AT LEONIA, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-63, 1965 to 1986 (discontinued).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1962 to May 1963, April 1965 to 1986 (discontinued).
INSTRUMENTATION.--Temperature recorder since July 1962.
REMARKS.--Daily water temperature data for water years 1977 and 1978 were insufficient for publishing due to equipment malfunction. Partial records for these years are available in the District Office.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 20.5 °C July 10-11, 1975; minimum, 0.0 °C Feb. 13-17, 20-21, 1986.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 17.5 °C Aug. 7-8; minimum, 0.0 °C Feb. 13-17, 20-21.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.5	10.5	8.5	8.0	4.0	3.5	---	---	2.5	2.5	3.0	2.0
2	11.0	10.5	8.5	8.5	3.5	3.5	---	---	2.5	2.0	3.0	2.5
3	11.0	10.0	8.5	8.5	4.5	3.5	3.0	3.0	2.5	2.0	3.0	2.5
4	10.5	10.0	8.5	8.0	4.5	4.5	3.0	3.0	3.0	2.0	3.5	2.5
5	11.5	10.5	7.5	7.0	4.5	4.0	3.0	2.5	3.0	2.5	3.0	3.0
6	11.5	10.5	7.0	5.5	4.5	4.5	2.5	2.5	2.5	1.5	3.0	2.5
7	11.0	10.5	6.0	5.5	5.0	4.5	2.5	2.5	1.5	1.0	3.5	3.0
8	11.0	10.5	6.0	5.5	---	---	2.5	2.0	1.0	.5	3.0	2.5
9	11.0	10.5	7.0	5.0	---	---	3.0	2.5	1.0	.5	3.0	2.5
10	11.0	10.5	7.0	6.5	---	---	3.0	2.5	1.5	.5	3.0	3.0
11	11.0	10.5	7.0	6.5	1.5	1.5	3.0	2.5	1.5	.5	3.0	2.5
12	10.5	10.0	6.5	6.0	2.0	1.0	3.0	2.5	1.0	.5	3.5	3.0
13	10.5	9.5	6.5	6.0	1.5	1.5	2.5	2.5	1.0	.0	4.0	3.0
14	10.5	10.0	6.5	6.5	1.5	1.0	2.5	2.5	.5	.0	3.5	3.0
15	10.5	10.0	7.0	6.5	1.5	1.0	2.5	2.5	.0	.0	3.5	2.5
16	10.5	10.0	7.0	6.5	2.0	1.5	3.0	2.5	.0	.0	3.5	3.0
17	10.0	9.5	7.0	6.5	2.0	1.5	3.0	2.5	1.5	.0	4.5	3.5
18	10.5	9.5	6.5	6.0	2.0	1.5	3.0	2.5	1.5	1.0	4.0	3.0
19	10.5	9.5	6.5	6.0	2.5	2.0	3.0	2.5	1.0	.5	4.0	3.0
20	10.5	10.0	6.0	6.0	2.5	2.5	2.5	2.5	1.0	.0	5.0	3.5
21	10.5	10.0	6.0	5.5	3.0	2.5	3.0	2.5	1.5	.0	4.5	3.5
22	10.0	9.5	5.5	5.0	3.0	3.0	3.0	2.5	2.0	1.0	4.5	3.0
23	9.5	9.0	5.0	5.0	3.0	3.0	2.5	2.5	2.0	1.0	3.5	3.5
24	9.5	9.0	5.0	4.5	3.0	3.0	3.0	2.5	2.5	2.0	4.5	3.5
25	9.0	9.0	5.0	4.5	3.0	3.0	2.5	2.0	2.5	1.5	4.0	3.5
26	8.5	8.0	5.0	4.5	3.0	3.0	2.5	2.0	1.5	1.0	4.0	3.5
27	9.0	8.5	4.5	4.5	3.0	3.0	2.5	2.0	2.0	1.0	5.0	3.5
28	9.5	9.0	4.5	4.0	---	---	2.5	2.5	2.5	2.0	6.0	4.5
29	8.5	8.0	4.5	4.0	---	---	2.5	2.0	---	---	5.5	5.0
30	8.5	8.0	4.5	4.0	---	---	2.5	2.0	---	---	5.0	4.0
31	8.5	8.0	---	---	---	---	2.5	2.5	---	---	4.0	3.5
MONTH	11.5	8.0	8.5	4.0	5.0	1.0	3.0	2.0	3.0	.0	6.0	2.0

12305000 KOOTENAI RIVER AT LEONIA, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.0	3.5	8.0	5.5	14.0	12.5	13.5	13.0	15.0	13.5	14.5	13.5
2	5.0	4.0	8.5	7.0	14.0	13.0	13.5	12.5	15.5	14.0	14.5	13.0
3	5.0	3.5	8.0	7.5	14.0	13.0	13.5	11.5	16.0	15.5	14.0	13.5
4	5.5	4.0	7.5	7.0	13.5	12.5	14.0	12.5	16.5	15.5	14.0	13.0
5	6.0	4.5	8.0	6.0	13.0	12.0	14.5	13.5	16.0	15.0	14.5	12.5
6	6.0	5.0	7.5	6.5	12.0	11.0	14.5	13.5	16.5	15.0	14.5	14.0
7	6.5	5.0	8.5	6.5	12.0	11.0	---	---	17.5	15.5	14.0	13.0
8	6.5	5.0	9.0	7.0	11.5	10.0	---	---	17.5	16.0	14.0	12.5
9	7.0	5.0	9.0	7.0	11.5	10.0	---	---	16.5	15.5	14.0	13.0
10	7.0	6.0	8.5	7.5	13.5	11.5	---	---	16.5	15.0	13.0	12.0
11	6.0	5.0	8.0	7.0	13.5	12.5	---	---	16.0	14.5	12.0	11.0
12	5.0	4.0	7.5	6.5	13.5	11.5	---	---	16.0	14.5	11.5	10.5
13	4.0	3.0	7.0	6.0	13.5	12.5	---	---	15.5	14.5	12.0	11.0
14	5.5	4.0	6.0	5.5	13.5	13.0	---	---	15.0	14.0	13.5	12.0
15	6.0	4.5	6.5	5.0	13.5	12.0	---	---	14.5	13.5	13.5	12.5
16	6.5	5.5	8.0	6.0	13.5	13.0	---	---	14.0	13.0	13.5	13.0
17	6.5	5.5	8.0	7.0	15.5	13.0	---	---	14.5	13.5	13.5	12.5
18	6.0	5.5	9.0	7.5	15.5	12.5	---	---	15.0	14.0	12.5	12.0
19	5.5	5.5	10.5	8.0	12.5	11.5	---	---	15.5	14.0	13.5	12.0
20	6.5	5.0	10.0	9.5	12.5	11.0	---	---	15.5	14.0	13.0	12.0
21	7.5	6.0	9.5	8.0	14.0	11.0	15.0	13.5	15.0	13.5	13.0	12.5
22	7.0	6.0	8.0	7.0	16.0	12.5	15.0	14.0	14.5	13.0	12.5	11.5
23	6.0	5.0	8.5	6.0	15.5	13.0	15.0	14.0	14.5	14.0	12.0	11.0
24	5.5	5.0	10.5	8.0	15.5	13.0	15.0	13.5	14.0	13.5	11.5	11.5
25	6.0	5.0	11.5	9.0	16.5	12.5	15.0	13.5	14.5	13.5	11.5	11.0
26	6.5	5.0	12.0	10.0	17.0	11.5	15.5	14.0	15.0	14.0	11.5	11.0
27	6.5	6.0	12.0	10.5	14.5	12.0	15.5	14.5	15.5	14.5	11.5	11.0
28	7.0	5.5	12.5	11.0	14.0	12.0	15.0	13.5	16.0	15.0	11.5	11.0
29	6.0	5.0	13.0	11.5	13.5	13.5	14.5	13.5	16.5	15.0	11.0	10.5
30	6.5	4.5	13.0	11.5	13.5	13.0	14.5	13.0	16.5	15.0	11.5	10.5
31	---	---	13.5	12.0	---	---	14.5	13.0	15.0	14.5	---	---
MONTH	7.5	3.0	13.5	5.0	17.0	10.0	15.5	11.5	17.5	13.0	14.5	10.5

12306500 MOYIE RIVER AT EASTPORT, ID
(International gaging station)

LOCATION.--Lat 48°59'58", long 116°10'43", in NW¼NE¼SE¼ sec.10, T.65 N., R.2 E., Boundary County, Hydrologic Unit 17010105, Kaniksu National Forest, on left bank at Eastport, 1,000 ft downstream from international boundary, and at mile 25.0.

DRAINAGE AREA.--570 mi², approximately.

PERIOD OF RECORD.--January to December 1915, March to December 1916, August 1929 to current year in reports of U.S. Geological Survey, monthly discharge only for some periods, published in WSP 1736.

GAGE.--Water-stage recorder. Datum of gage is 2,620.06 ft above National Geodetic Vertical Datum of 1929. January 1915 to December 1916 nonrecording gage at site 0.2 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 22 to Dec. 20, Dec. 23-24, 27-30, Jan. 4-5, 7-9, 12-14, 22-30, Feb. 6-10, 15-23, Sept. 29-30. Records good except for periods of estimated daily discharges which are fair. No regulation or diversion above station.

COOPERATION.--This station is one of the international gaging stations maintained by the United States under agreement with Canada. Three discharge measurements per year provided by Water Survey of Canada.

AVERAGE DISCHARGE.--57 years, 702 ft³/s, 16.73 in./yr, 508,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 10,600 ft³/s June 19, 1916; maximum gage height, 10.55 ft May 20, 1954; minimum discharge, 23 ft³/s Nov. 7, 1936, gage height, 3.20 ft.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 2,900 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 23	0015	3060	6.82	May 28	2400	*3900	*7.40

Minimum discharge, 53 ft³/s Aug. 29, 30, gage height, 3.37 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 22 to Dec. 20, Dec. 23-24, 27-30, Jan. 4-5, 7-9, 12-14, 22-30, Feb. 6-10, 15-23)

3.3	36	4.6	585
3.5	72	5.0	805
3.8	155	6.0	1940
4.2	336	7.0	3260
		8.0	4880

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	684	250	139	159	560	1470	1340	3160	360	173	73
2	121	780	245	136	163	623	1350	1330	2910	344	165	74
3	123	1110	240	137	159	653	1260	1740	2560	347	157	68
4	121	1690	230	132	155	662	1210	2050	2310	333	150	63
5	120	1510	225	133	151	690	1180	2220	2300	331	145	62
6	141	1260	220	134	140	697	1170	2110	2050	317	140	60
7	145	1130	220	130	130	802	1210	2030	1850	303	135	59
8	127	1020	215	129	127	1140	1310	2030	1670	291	128	59
9	125	917	215	128	128	1140	1520	2060	1570	288	120	63
10	128	782	210	129	130	1060	1770	2130	1400	277	116	66
11	130	690	205	128	141	986	1730	2010	1270	287	113	78
12	134	621	200	125	147	934	1620	1860	1150	319	109	78
13	129	580	195	125	135	894	1470	2090	1050	309	107	68
14	131	545	195	124	133	848	1360	2060	956	277	102	65
15	149	519	190	124	128	797	1280	1880	887	258	97	67
16	198	524	190	123	128	760	1280	1740	805	243	93	72
17	236	506	185	122	130	722	1240	1680	751	260	90	69
18	217	489	185	124	140	677	1160	1760	698	263	88	69
19	221	438	180	176	150	645	1110	2080	655	237	84	76
20	247	419	175	217	156	636	1100	2690	617	222	79	71
21	253	410	171	196	160	674	1250	3100	598	209	77	68
22	270	350	167	180	160	720	2150	2940	546	198	74	66
23	269	310	160	165	163	701	2680	2620	508	215	70	66
24	280	300	160	155	163	769	2200	2470	472	197	66	75
25	503	290	159	145	235	757	1980	2500	439	213	63	81
26	583	280	155	138	414	719	1800	2930	408	277	61	75
27	633	275	150	136	537	719	1690	3460	384	265	60	88
28	757	275	140	136	543	902	1640	3660	359	230	57	103
29	729	270	135	138	---	1170	1530	3660	390	206	54	140
30	700	260	140	145	---	1460	1420	3540	389	189	73	159
31	672	---	139	152	---	1640	---	3340	---	182	86	---
TOTAL	8806	19194	5846	4401	5205	26157	45140	73130	35112	8247	3132	2281
MEAN	284	640	189	142	186	844	1505	2359	1170	266	101	76.0
MAX	757	1690	250	217	543	1640	2680	3660	3160	360	173	159
MIN	120	260	135	122	127	560	1100	1330	359	182	54	59
CFSM	.50	1.12	.33	.25	.33	1.48	2.64	4.14	2.05	.47	.18	.13
IN.	.57	1.25	.38	.29	.34	1.71	2.95	4.77	2.29	.54	.20	.15
AC-FT	17470	38070	11600	8730	10320	51880	89540	145100	69640	16360	6210	4520

CAL YR 1985	TOTAL	205837	MEAN	564	MAX	4160	MIN	46	CFSM	.99	IN.	13.43	AC-FT	408300
WTR YR 1986	TOTAL	236851	MEAN	649	MAX	3660	MIN	54	CFSM	1.14	IN.	15.44	AC-FT	469800

12306500 MOYIE RIVER AT EASTPORT, ID--Continued
(International gaging station)

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.68	4.89	5.09	3.73	3.81	4.56	5.56	5.43	6.89	4.20	3.81	3.47
2	3.67	4.84	5.41	3.73	3.82	4.65	5.45	5.42	6.71	4.18	3.78	3.48
3	3.68	5.21	5.55	3.72	3.81	4.69	5.36	5.79	6.45	4.18	3.76	3.45
4	3.67	5.77	5.25	3.76	3.80	4.71	5.31	6.06	6.26	4.15	3.74	3.43
5	3.67	5.60	4.98	4.12	3.79	4.75	5.28	6.19	6.25	4.15	3.73	3.42
6	3.73	5.37	4.88	3.71	3.80	4.76	5.27	6.11	6.05	4.12	3.71	3.41
7	3.75	5.23	4.67	3.72	3.87	4.89	5.31	6.04	5.89	4.10	3.70	3.40
8	3.69	5.12	4.49	3.89	3.80	5.27	5.41	6.04	5.73	4.08	3.68	3.40
9	3.68	5.00	4.38	3.71	3.84	5.26	5.61	6.08	5.64	4.07	3.66	3.43
10	3.69	4.84	4.33	3.70	3.85	5.17	5.83	6.12	5.49	4.05	3.64	3.44
11	3.70	4.73	4.46	3.70	3.75	5.09	5.79	6.02	5.36	4.07	3.63	3.50
12	3.71	4.63	4.62	3.80	3.77	5.03	5.69	5.89	5.24	4.13	3.62	3.49
13	3.70	4.57	4.55	3.96	3.73	4.99	5.56	6.08	5.13	4.11	3.61	3.45
14	3.70	4.52	4.45	3.89	3.73	4.93	5.46	6.06	5.03	4.05	3.59	3.44
15	3.76	4.48	4.44	3.69	3.78	4.87	5.38	5.92	4.95	4.00	3.57	3.44
16	3.89	4.49	4.29	3.69	4.27	4.83	5.38	5.80	4.85	3.97	3.56	3.47
17	3.98	4.46	4.13	3.68	3.98	4.78	5.33	5.74	4.78	4.01	3.55	3.45
18	3.93	4.41	3.98	3.69	3.93	4.71	5.25	5.81	4.72	4.02	3.54	3.46
19	3.94	4.36	3.90	3.84	3.90	4.66	5.20	6.08	4.66	3.96	3.52	3.49
20	4.00	4.33	3.84	3.94	3.87	4.65	5.18	6.55	4.61	3.92	3.50	3.47
21	4.01	4.31	3.82	3.90	3.97	4.70	5.34	6.85	4.58	3.90	3.49	3.45
22	4.05	4.38	3.81	3.89	3.94	4.77	6.11	6.73	4.50	3.87	3.48	3.44
23	4.05	4.45	3.98	3.84	3.88	4.74	6.54	6.50	4.45	3.91	3.46	3.44
24	4.07	4.45	3.81	3.83	3.82	4.83	6.17	6.38	4.39	3.87	3.44	3.48
25	4.58	4.45	3.79	3.87	3.99	4.81	6.00	6.41	4.34	3.90	3.43	3.51
26	4.58	4.45	3.78	4.01	4.33	4.76	5.84	6.73	4.29	4.04	3.41	3.48
27	4.85	4.49	3.80	4.11	4.53	4.76	5.75	7.10	4.25	4.02	3.40	3.53
28	4.81	4.46	3.77	3.83	4.54	4.98	5.70	7.24	4.20	3.94	3.39	3.60
29	4.78	4.58	4.26	3.77	---	5.27	5.61	7.24	4.26	3.89	3.38	3.75
30	4.74	4.75	4.28	3.79	---	5.55	5.50	7.16	4.26	3.85	3.47	3.81
31	4.70	---	3.73	3.79	---	5.72	--	7.02	---	3.83	3.53	---
MEAN	4.01	4.71	4.34	3.82	3.92	4.91	5.57	6.28	5.14	4.02	3.57	3.48
MAX	4.81	5.77	5.55	4.12	4.54	5.72	6.54	7.24	6.89	4.20	3.81	3.81
MIN	3.67	4.31	3.73	3.68	3.73	4.56	5.18	5.42	4.20	3.83	3.38	3.40

WTR YR 1986 MEAN 4.48 MAX 7.24 MIN 3.38

12309500 KOOTENAI RIVER AT BONNERS FERRY, ID

LOCATION.--Lat 48°42'00", long 116°18'45", in NW¼SE¼NE¼ sec. 27, T. 62 N., R. 1 E., Boundary County, Hydrologic Unit 17010104, on left bank 90 ft downstream from highway bridge at Bonners Ferry, and at mile 152.8.

DRAINAGE AREA.--12,690 mi^2, approximately.

PERIOD OF RECORD.--May to October 1904, October 1927 to current year (elevations only prior to March 1928 and October 1960 to current year). Gage heights collected in this vicinity since 1904 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 1716: Maximum elevation. WDR ID-78-2: 1975(m), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 1,700.00 ft with respect to U.S. Geological Survey benchmark V-3-1929 at elevation 1,777.08 ft. Gage heights have been reduced to that datum. National Geodetic Vertical Datum of 1929 is 0.02 ft higher. May 1 to Oct. 15, 1904, nonrecording gage on railroad bridge 0.8 mi downstream at different datum. Oct. 1, 1927, to Nov. 30, 1929, nonrecording gage near left bank. Dec. 1, 1929, to June 12, 1933, nonrecording gages on old highway bridge 40 ft downstream. Nonrecording gage near right bank on downstream side of highway bridge at Bonners Ferry June 13, 1933, to Sept. 30, 1960. May 6, 1942, to present, recording gage on left bank downstream from highway bridge at present datum. Datum of gages Oct. 1, 1927, to Jan. 2, 1931, was about 0.23 ft lower.

REMARKS.--Complete gage-height record for the water year, elevations affected by backwater from Kootenay Lake. Additional backwater of 0.65 ft recorded Dec. 6 when railroad bridge 800 ft downstream collapsed with seven railroad cars. Backwater gradually decreased as cars, bridge, and work dike were removed late in March. No drainage district dike failed during year. Flow regulated by Libby Dam since Mar. 21, 1972 (see sta 12305000).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,780.13 ft May 29, 1961; minimum, 1,741.14 ft Dec. 5, 1929, Dec. 29, 1930, datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1894 reached a stage of 1,777.2 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,757.31 ft Nov. 5; minimum elevation, 1,744.82 ft Feb. 23, 24.

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.72	52.47	52.31	52.07	49.33	47.09	49.63	45.86	52.39	51.88	50.05	45.45
2	49.69	53.88	52.28	52.07	46.18	47.08	48.86	45.72	52.47	53.14	49.74	45.66
3	49.69	54.91	52.22	52.09	45.98	47.18	48.18	46.07	52.48	52.07	47.87	48.32
4	49.34	56.29	52.37	52.02	45.88	47.14	47.74	46.79	53.30	51.83	48.02	51.54
5	49.22	57.04	52.41	51.93	45.81	47.14	47.28	47.31	53.59	50.29	49.40	51.59
6	49.69	52.04	53.02	51.88	45.71	47.07	46.77	47.37	53.26	51.29	48.02	50.70
7	49.82	49.23	53.16	51.81	45.57	47.17	46.90	47.14	52.91	51.94	47.68	47.02
8	50.44	48.47	50.91	51.68	45.41	48.85	47.33	47.01	52.53	51.62	47.24	45.57
9	50.82	48.58	47.83	51.57	45.35	49.36	47.37	46.99	52.18	51.39	47.42	48.55
10	51.47	53.02	46.84	51.48	45.32	48.76	47.51	47.03	51.95	51.29	46.44	51.96
11	51.58	53.51	46.70	51.45	45.21	48.03	47.67	46.85	51.80	51.19	45.93	52.62
12	51.54	53.39	46.71	51.47	45.13	47.48	47.48	46.55	52.47	50.31	47.02	52.75
13	49.89	53.19	46.69	51.38	45.07	47.33	47.01	46.90	51.47	48.41	46.54	52.84
14	50.88	53.21	46.75	51.20	45.06	47.11	46.66	47.60	51.11	48.61	46.51	52.89
15	51.43	53.24	46.81	50.30	46.03	46.54	46.43	47.07	50.81	50.38	47.33	52.98
16	51.99	53.30	46.87	50.80	50.10	46.31	46.33	46.60	50.81	50.63	47.58	53.08
17	52.20	53.33	46.85	50.87	50.30	46.25	46.27	46.35	50.83	50.70	46.53	53.15
18	52.22	53.25	46.89	50.90	47.09	46.33	46.12	46.38	51.41	50.78	46.25	53.24
19	52.19	53.15	46.86	47.48	45.23	46.22	45.95	46.84	51.57	50.70	46.54	53.12
20	52.26	52.78	46.70	46.28	45.01	46.16	45.87	48.01	51.54	48.81	46.50	52.46
21	52.30	52.74	47.16	46.44	44.96	46.12	45.97	49.23	50.81	50.65	46.35	49.64
22	52.35	52.63	51.61	50.32	44.90	46.15	46.96	49.29	49.29	51.94	47.48	46.86
23	52.50	52.36	52.13	50.91	44.84	45.85	49.25	48.61	49.21	51.14	47.28	46.66
24	52.62	52.28	52.20	50.95	44.93	46.06	48.97	48.03	49.61	51.21	46.15	49.05
25	53.80	52.36	52.23	50.90	46.15	47.10	48.14	47.93	48.91	51.60	46.09	49.48
26	54.59	52.39	52.21	50.87	47.62	46.27	47.30	48.81	49.78	50.56	46.86	49.49
27	54.28	52.42	52.20	50.87	47.91	45.97	46.73	50.49	50.86	49.74	47.37	49.54
28	54.23	52.37	52.18	50.82	47.43	46.25	46.50	51.66	51.18	49.71	46.39	48.65
29	54.12	52.32	52.17	50.88	---	46.75	46.30	52.18	50.80	49.55	45.77	46.70
30	53.58	52.35	52.13	50.86	---	47.73	46.05	52 29	50.87	49.86	45.96	46.75
31	52.03	---	52.10	50.82	---	49.79	---	52.43	---	50.05	46.29	---
MEAN	51.69	52.75	49.98	50.82	46.20	47.05	47.18	47.98	51.41	50.75	47.12	49.94
MAX	54.59	57.04	53.16	52.09	50.30	49.79	49.63	52.43	53.59	53.14	50.05	53.24
MIN	49.22	48.47	46.69	46.28	44.84	45.85	45.87	45.72	48.91	48.41	45.77	45.45

CAL YR 1985	MEAN	48.49	MAX	57.04	MIN	43.90
WTR YR 1986	MEAN	49.42	MAX	57.04	MIN	44.84

12314000 KOOTENAI RIVER AT KLOCKMANN RANCH, NEAR BONNERS FERRY, ID

LOCATION.--Lat 48°47'38", long 116°22'51", in SE¼NW¼SE¼ sec.19, T.63 N., R.1 E., Boundary County, Hydrologic Unit 17010104, on right bank 0.3 mi downstream from dike of drainage district No. 5, 8 mi north of Bonners Ferry, and at mile 139.7.

DRAINAGE AREA.--13,300 mi^2, approximately.

PERIOD OF RECORD.--May to July, September to November 1928, April to September, December 1929, April 1930 to current year (elevations only, fragmentary prior to April 1930).

GAGE.--Water-stage recorder. Datum of gage is 1,700.00 ft above Topographic Division datum of 1928. Gage readings have been reduced to that datum. National Geodetic Vertical Datum of 1929 is about 0.03 ft higher. Prior to Sept. 12, 1928, several nonrecording gages within 300 ft at different datums.

REMARKS.--No estimated gage heights during the water year. Elevations affected by backwater from Kooteney Lake. No drainage district dike failed during year. Flow regulated by Libby Dam since Mar. 21, 1972. Add 1,700 ft to gage heights to obtain elevations.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,776.41 ft June 7, 1961; minimum, 1,738.76 ft Apr. 1, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,754.59 ft Nov. 5; minimum, 1,743.16 ft Mar. 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.81	50.09	50.04	49.76	47.71	45.42	47.05	44.00	51.24	50.01	48.37	44.79
2	47.75	51.29	50.05	49.72	45.26	45.29	46.40	43.80	51.43	51.03	48.28	44.82
3	47.74	52.24	50.01	49.73	45.05	45.34	45.78	43.97	51.54	50.57	46.89	46.37
4	47.48	53.48	50.15	49.69	45.00	45.31	45.36	44.63	52.09	50.22	46.76	48.96
5	47.28	54.44	50.23	49.58	44.96	45.23	45.05	45.12	52.44	49.02	47.87	49.24
6	47.68	50.92	50.26	49.51	44.90	45.15	44.46	45.30	52.27	49.47	46.92	48.97
7	47.81	48.08	50.31	49.43	44.78	45.14	44.40	45.17	51.96	50.04	46.48	48.25
8	48.22	47.36	49.13	49.28	44.61	46.38	44.88	45.04	51.61	49.90	46.13	45.06
9	48.45	47.08	47.00	49.19	44.50	47.07	45.08	45.02	51.25	49.64	46.12	46.51
10	49.03	50.35	46.32	49.06	44.42	46.63	45.08	45.06	50.99	49.53	45.53	49.31
11	49.14	51.16	46.18	48.98	44.25	46.00	45.33	44.98	50.82	49.48	45.13	50.12
12	49.13	51.09	46.15	48.98	44.18	45.47	45.22	44.73	51.31	48.90	45.68	50.28
13	48.22	50.95	46.11	48.92	44.05	45.13	44.83	44.86	50.58	47.41	45.43	50.39
14	48.42	50.89	46.10	48.82	44.02	45.15	44.50	45.59	50.22	47.28	45.39	50.47
15	49.11	50.95	46.09	48.01	44.01	44.50	44.30	45.24	49.91	48.60	45.89	50.59
16	49.56	50.98	46.07	48.33	44.00	44.23	44.18	44.78	49.81	48.88	46.07	50.69
17	49.81	51.01	46.07	48.42	44.10	43.96	44.12	44.52	49.80	48.82	45.45	50.78
18	49.86	50.96	46.06	48.45	44.12	44.05	43.98	44.52	50.03	48.97	45.22	50.88
19	49.85	50.88	46.05	46.50	44.00	43.85	43.80	44.92	50.21	49.09	45.36	50.85
20	49.90	50.59	46.03	45.27	43.83	43.75	43.70	45.91	50.19	47.54	45.35	50.40
21	49.98	50.45	46.07	45.15	43.75	43.69	43.75	47.16	49.75	48.64	45.17	48.40
22	50.01	50.36	49.02	47.66	43.75	43.77	44.58	47.42	48.52	49.94	45.98	46.26
23	50.14	50.13	49.74	48.53	43.73	43.38	46.76	46.92	48.24	49.38	45.88	45.94
24	50.25	50.03	49.82	48.59	43.77	43.34	46.82	46.43	48.60	49.36	45.13	47.37
25	51.09	50.05	49.85	48.53	44.58	44.38	46.14	46.31	48.07	49.70	45.03	47.80
26	52.09	50.09	49.86	48.47	45.77	43.98	45.46	47.03	48.38	49.13	45.48	47.83
27	51.87	50.14	49.86	48.43	46.14	43.28	44.91	48.63	49.26	48.26	45.79	47.87
28	51.86	50.09	49.84	48.35	45.78	43.76	44.66	49.89	49.51	48.23	45.35	47.43
29	51.81	50.00	49.83	48.37	---	44.04	44.44	50.57	49.36	48.15	44.86	46.09
30	51.35	50.02	49.82	48.39	---	44.88	44.21	50.79	49.23	48.22	45.02	46.02
31	50.17	---	49.79	48.38	---	46.75	---	51.09	---	48.41	45.23	---
MEAN	49.45	50.54	48.32	48.53	44.61	44.78	44.97	46.11	50.29	49.09	45.91	48.22
MAX	52.09	54.44	50.31	49.76	47.71	47.07	47.05	51.09	52.44	51.03	48.37	50.88
MIN	47.28	47.08	46.03	45.15	43.73	43.28	43.70	43.80	48.07	47.28	44.86	44.79

CAL YR 1985 MEAN 48.68 MAX 54.44 MIN 40.69
WTR YR 1986 MEAN 47.58 MAX 54.44 MIN 43.28

12318500 KOOTENAI RIVER NEAR COPELAND, ID
(International gaging station)

LOCATION.--Lat 48°54'18", long 116°24'07", in NE¼NW¼NE¼ sec.13, T.64 N., R.1 W., Boundary County, Hydrologic Unit 17010104, at the Copeland bridge, 200 ft upstream from Mission Creek, 0.7 mi northwest of Copeland, 1 mi upstream from cableway, and at mile 124.2.

DRAINAGE AREA.--13,400 mi^2, approximately.

PERIOD OF RECORD.--October 1927 to current year (elevation record only prior to May 1929). Published as "at Copeland" 1927-29. April 1925 to September 1927 (gage height only) in reports of Water Survey of Canada, Department of Energy, Mines and Resources. (Gage-height observations discontinued June 10, 1982.)

REVISED RECORDS.--WSP: 1934-37(M), 1940-47(M), 1949(M).

GAGE.--Nonrecording gage, wire-weight gage. Datum of gage is 1,700.00 ft above Topographic Division datum of 1928. Gage readings have been reduced to that datum. National Geodetic Vertical Datum of 1929 is about 0.04 ft higher. Prior to Sept. 30, 1975, water-stage recorder located in gage shelter 1 mi downstream at same datum. Oct. 1927 to Nov. 20, 1928, nonrecording or recording gage at site 0.2 mi downstream; datum 40.77 ft higher prior to Apr. 18, 1929.

REMARKS.--No estimated daily discharge during water year. Records fair except for those below 10,000 ft^3/s, which are poor. Stage-discharge relation affected by backwater from Kootenay Lake. No drainage district dike failed during year. Discharge computed from slope and conveyance of the reach between stations at Klockmann Ranch and at Porthill, and discharge measurements at station near Copeland. Flow regulated by Libby Dam started on Mar. 21, 1972.

COOPERATION.--This station is maintained by the United States under agreement with Canada. Three discharge measurements per year provided by Water Survey of Canada.

AVERAGE DISCHARGE.--57 years (water years 1930-1986), 15,470 ft^3/s, 15.68 in./yr; 11,210,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 124,000 ft^3/s May 30, 1948; maximum elevation, 1772.55 ft June 6, 1961; minimum daily discharge, 1,350 ft^3/s Feb. 8, 1936; minimum elevation, 1,738.52 Apr. 2, 3, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 35,600 ft^3/s Nov. 6; minimum daily discharge, 5,510 ft^3/s Dec. 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15000	21900	22500	21100	16000	12000	20600	10200	17400	19200	15900	5970
2	15100	25900	22200	21000	7080	12000	18600	9840	16100	22700	15600	5990
3	15000	28900	21700	21100	6620	12300	16800	10400	15400	20100	10500	12100
4	14300	32500	22000	21200	6520	12500	15600	12200	17900	19300	10500	21000
5	13700	35600	21900	21200	6550	12700	14700	13500	18800	15300	14900	21100
6	15100	22000	21900	21100	6520	12600	13000	13800	17800	17800	11700	19500
7	15400	13600	22100	21000	6260	12900	13000	13400	17100	20000	10700	9940
8	17100	11600	17400	20800	6090	16600	14300	12900	16300	19500	9960	5820
9	18100	11000	9500	20600	6020	18500	14700	12800	15600	19000	10500	12500
10	20100	23200	6410	20200	6100	17100	14500	12700	15600	18900	8520	22500
11	20500	25400	5840	20100	6030	15500	15000	12500	15100	18900	7140	24500
12	20300	25200	5730	20200	5960	14100	14700	11800	17400	16700	9740	24700
13	16500	24700	5820	20100	5890	13400	13500	12000	14600	11500	8840	24800
14	17800	24500	5920	19900	5920	13600	12500	14000	14000	11800	8630	24900
15	19800	24700	5860	17200	6480	12000	12000	13100	13700	16800	10600	25000
16	21100	24800	5800	18500	6430	11500	11600	11900	14000	17900	11200	25100
17	21800	24900	5860	18600	6940	10900	11400	11300	14700	17800	8890	25100
18	21700	24800	5690	18900	7270	11500	11100	11100	16400	18200	8150	25200
19	21700	24500	5510	11500	6880	11200	10700	11800	17000	18200	8830	24800
20	21600	23500	5510	7220	6600	11100	10300	14200	17200	12500	8690	22800
21	21700	23300	6160	7060	6350	11100	10400	17000	15600	16800	8040	15300
22	21900	23200	18500	16600	6420	11500	12400	17200	11400	21000	11100	8030
23	22200	22600	20700	19200	6270	10600	18100	15600	11200	18700	10800	7840
24	22800	22400	21100	19500	6180	10700	17700	14000	13100	18600	7950	13800
25	25100	22400	21200	19500	9040	13700	15600	13400	11300	19800	7810	15100
26	28100	22700	21200	19600	12700	12500	13700	14800	13400	17300	9750	15000
27	27000	22600	21200	19700	13800	10700	12300	17900	17000	14600	10800	15100
28	26800	22900	21100	19500	12800	12000	11500	20100	18100	14900	8940	12800
29	26500	22600	21000	19400	---	12800	11000	20500	17300	14500	6990	7740
30	25300	22700	21000	19400	---	15000	10600	19600	18400	15000	7310	7660
31	21400	---	21000	19200	---	20400	---	18700	---	15800	7950	---
TOTAL	630100	700600	459310	580380	211720	405000	411900	434240	466900	539100	307130	501690
MEAN	20130	23350	14820	18720	7561	13060	13730	14010	15560	17390	9907	16720
MAX	28100	35600	22500	21200	16000	20400	20600	20500	18800	22700	15900	25200
MIN	13700	11000	5510	7060	5890	10600	10300	9840	11200	11500	6990	5820
AC-FT	1250000	1390000	911000	1151000	419900	803300	817000	861300	926100	1069000	609200	995100

CAL YR 1985	TOTAL	4662830	MEAN	12770	MAX	35600	MIN	4380	AC-FT 9249000
WTR YR 1986	TOTAL	5648070	MEAN	15470	MAX	35600	MIN	5510	AC-FT11203000

12321500 BOUNDARY CREEK NEAR PORTHILL, ID
(International gaging station)

LOCATION.--Lat 48°59'50", long 116°34'05", in SW¼NW¼SW¼ sec.11, T.65 N., R.2 W., Boundary County, Hydrologic Unit 17010104, on left bank near mouth of canyon, 0.2 mi south of international boundary, 3 mi west of Porthill, and at mile 3.5.

DRAINAGE AREA.--97 mi^2, approximately.

PERIOD OF RECORD.--May 1928 to current year (no winter records 1929, 1930).

GAGE.--Water-stage recorder. Elevation of gage is 1,770 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 24, 1929, nonrecording gage at site 140 ft upstream at different datum.

REMARKS.--Estimated daily discharge: Nov. 14-16, Nov. 20 to Dec. 11, Jan. 27-30, Feb. 7-10, 12-17, 20. Records good except for estimated daily discharges which are fair. Diversion upstream from station was not used during the year.

COOPERATION.--This station is maintained by the United States under agreement with Canada. Three discharge measurements per year provided by Water Survey of Canada.

AVERAGE DISCHARGE.--56 years (water years 1930-86), 198 ft^3/s, 27.72 in./yr; 143,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,540 ft^3/s June 2, 1948, gage height, 6.00 ft, from rating curve extended above 2,000 ft^3/s; minimum, 5 ft^3/s some time between Nov. 10 and Dec. 3, 1936; minimum gage height, 0.24 ft Nov. 22, 1952.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	2130	*1830	*4.42	No other peak greater than base discharge.			

Minimum discharge, 25 ft^3/s Oct. 8, Aug. 28, 29; minimum gage height, 1.07 ft Oct. 8.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 14-16, Nov. 20 to Dec. 11, Jan. 27-30, Feb. 7-10, 12-17, 20; shifting-control method used Feb. 25 to Apr. 21, Apr. 24 to May 12, May 15-17)

0.9	14	2.0	182
1.0	19	2.5	321
1.2	34	3.0	561
1.3	43	3.5	892
1.6	81	4.0	1310
		4.5	1800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	165	77	46	68	184	351	355	863	100	72	42
2	37	248	76	45	74	184	314	384	787	96	68	54
3	36	465	76	45	66	184	297	526	594	112	65	40
4	34	526	75	44	61	183	293	582	508	106	63	34
5	34	356	74	44	60	184	296	582	615	109	59	31
6	53	284	74	43	49	185	321	558	448	100	55	29
7	55	260	72	43	47	266	361	558	371	90	52	28
8	37	236	71	42	48	486	433	565	377	86	50	28
9	36	205	70	43	47	377	508	584	310	87	47	29
10	42	168	69	43	49	309	343	579	274	88	46	30
11	42	149	64	45	52	272	508	530	248	124	44	42
12	44	150	59	42	47	255	452	490	220	155	43	34
13	42	159	57	41	44	239	393	752	197	125	46	30
14	44	157	55	43	42	225	358	598	183	106	41	30
15	69	158	54	43	43	208	341	518	171	95	39	35
16	129	153	55	42	46	199	369	493	156	88	36	38
17	124	140	54	43	47	187	357	515	145	123	34	46
18	89	127	54	45	49	179	338	657	147	111	33	51
19	85	120	54	81	49	174	326	853	155	95	32	46
20	111	110	53	84	48	175	370	909	138	86	30	38
21	105	100	50	67	48	192	476	988	130	81	29	35
22	147	93	49	59	45	199	780	798	117	78	29	33
23	117	89	48	57	45	192	712	865	109	80	28	37
24	108	87	49	55	70	201	558	849	101	73	28	158
25	310	84	49	51	154	188	503	808	96	121	29	87
26	228	82	48	47	212	181	461	1140	89	150	27	96
27	247	81	49	46	269	186	448	1360	83	119	26	133
28	326	80	49	47	215	295	433	1370	79	100	26	117
29	242	79	47	48	---	366	393	1250	103	89	25	127
30	201	77	48	50	---	428	366	1140	139	82	70	187
31	177	---	48	53	---	414	---	989	---	77	45	---
TOTAL	3388	5188	1823	1527	2094	7497	12659	22843	7953	3132	1317	1745
MEAN	109	173	58.8	49.3	74.8	242	422	737	265	101	42.5	58.2
MAX	326	526	77	84	269	486	780	1370	863	155	72	187
MIN	34	77	48	41	42	174	283	355	79	73	25	28
CFSM	1.12	1.78	.61	.51	.77	2.49	4.35	7.60	2.73	1.04	.44	.60
IN.	1.30	1.99	.70	.59	.80	2.88	4.85	8.76	3.05	1.20	.51	.67
AC-FT	6720	10310	3620	3030	4150	14870	25110	45310	15770	6210	2610	3460

CAL YR 1985	TOTAL	66280	MEAN	182	MAX	1690	MIN	18	CFSM	1.88	IN.	25.41	AC-FT	131400
WTR YR 1986	TOTAL	71174	MEAN	195	MAX	1370	MIN	25	CFSM	2.01	IN.	27.30	AC-FT	141200

12322000 KOOTENAI RIVER AT PORTHILL, ID
(International gaging station)

LOCATION.--Lat 49°00'00", long 116°30'10", in NE¼NW¼SW¼ sec.8, T.65 N., R.1 W., Boundary County, Hydrologic Unit 17010104, on right bank 300 ft south of international boundary at Porthill, and at mile 105.63.

DRAINAGE AREA.--13,700 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to July 1904 and October 1927 to March 1928 (elevations only), and April 1928 to current year in reports of U.S. Geological Survey. October 1924 to September 1927 (gage heights only) in reports of Water Survey of Canada, Department of Energy, Mines and Resources.

REVISED RECORDS.--SWD ID 1971-75(m).

GAGE.--Water-stage recorder. Datum of gage is 1,700.00 ft Topographic Division datum of 1928. Gage readings have been reduced to that datum. National Geodetic Vertical Datum of 1929 and datum of Geodetic Survey of Canada are 0.03 ft higher. Prior to May 17, 1928, nonrecording gages at approximately same site. Datum of gages prior to July 28, 1928, 38.34 ft higher, except in 1904 when different datum was used.

REMARKS.--No estimated discharge or gage heights during the water year. Records fair except for those below 10,000 ft³/s, which are poor. Daily discharge represents entire flow passing international boundary, and is computed by adding tributary inflow for intervening area to flow at station near Copeland and correcting for channel storage between stations near Copeland and at Porthill. Boundary dike of Reclamation Farm and U.S. Forest Service roadway dike (south side of Boundary Creek) remained intact and flow of river was confined throughout year to main channel on which gage is located. Elevations affected by backwater from Kootenay Lake. No drainage dike failed during year. Flow regulated by Libby Dam started on Mar. 21, 1972.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

AVERAGE DISCHARGE.--58 years, 15,890 ft³/s, 15.75 in./yr, 11,510,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 125,000 ft³/s June 1, 1948; maximum elevation, 1,767.61 ft June 7, 1961; minimum daily discharge, 1,380 ft³/s Feb. 8, 1936; minimum elevation, 1,738.21 ft Apr. 3, 1944.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 1,772.7 ft in June 1894, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 36,200 ft³/s Nov. 5; maximum elevation, 1,750.67 ft June 5; minimum daily discharge, 5,640 ft³/s Dec. 19; minimum elevation, 1,741.14 ft Mar. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15100	22500	22700	21200	16200	12600	21300	11200	19300	19300	16100	6120
2	15200	26200	22400	21100	7720	12600	19600	10900	17800	22700	15800	6110
3	15100	29800	21900	21200	6870	12800	17700	11700	16800	20400	10900	11900
4	14500	33400	22100	21400	6690	13000	16500	13500	19100	19700	10700	20600
5	13800	36200	22000	21400	6730	13300	15500	14900	20200	15900	14900	21000
6	15100	23500	22100	21200	6670	13100	14000	15100	19000	18100	12100	19500
7	15500	15100	22300	21200	6420	13800	14000	14800	18200	20100	11000	10500
8	17200	12500	17800	21000	6290	17600	15300	14400	17400	19800	10200	6170
9	18200	11700	10100	20700	6190	19300	15900	14300	16600	19300	10700	12400
10	20100	23000	6710	20400	6270	18000	15800	14100	16500	19200	8760	22100
11	20600	25500	6040	20300	6250	16400	16200	13900	15800	19300	7340	24300
12	20400	25600	5890	20300	6120	14900	15900	13100	17900	17200	9800	24700
13	16700	25400	5990	20200	6050	14100	14600	13900	15300	12200	9000	24800
14	18000	24900	6080	20000	6040	14200	13500	15400	14700	12200	8730	24900
15	19800	25100	6000	17500	6650	12700	12900	14500	14300	16800	10600	25000
16	21300	25200	5940	18600	6540	12100	12600	13300	14500	18100	11300	25100
17	22100	25300	6000	18900	7060	11500	12300	12700	15200	18200	9070	25100
18	21900	25200	5820	19000	7420	12000	12000	12700	16800	18400	8280	25300
19	21900	24800	5640	12000	7030	11700	11600	13800	17400	18400	8890	24900
20	21000	23900	5650	7700	6780	11600	11300	16400	17600	13000	8970	22900
21	21900	23600	6310	7290	6480	11700	11600	19100	16100	16800	8120	15700
22	22300	23500	18200	16400	6540	12000	14200	19100	12000	20900	11000	8620
23	22500	22900	20600	19100	6380	11200	19800	17400	11600	19000	10900	8100
24	22900	22700	21200	19600	6350	11300	19000	15700	13300	18800	8140	14000
25	25700	22600	21300	19700	8310	14000	17000	15500	11700	20000	7920	15200
26	28400	22900	21300	19800	13000	13000	15000	17400	13700	17800	8760	15100
27	27700	22800	21300	19900	14400	11400	13600	20600	17100	15200	10800	15500
28	27400	23200	21200	19600	13500	12700	12700	22900	18300	15200	9040	13100
29	27200	22800	21100	19500	---	13700	12100	23200	17600	14700	7130	8340
30	26000	22900	21100	19500	---	15900	11600	22200	18700	15200	7430	8210
31	22200	---	21100	19300	---	21000	---	20900	---	16000	8010	---
TOTAL	638600	714700	463870	584990	217950	425000	445100	488600	488500	547900	311390	505270
MEAN	20600	23820	14960	18870	7784	13710	14840	15760	16280	17670	10040	16840
MAX	28400	36200	22700	21400	16200	21000	21300	23200	20200	22700	16100	25300
MIN	13800	11700	5640	7290	6040	11200	11300	10900	11600	12200	7130	6110
AC-FT	1267000	1418000	920100	1160000	432300	843000	882900	969100	968900	1087000	617600	1002000

CAL YR 1985	TOTAL	4831370	MEAN	13240	MAX	36200	MIN	4470	AC-FT	9583000
WTR YR 1986	TOTAL	5831870	MEAN	15980	MAX	36200	MIN	5640	AC-FT	11568000

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued
(International gaging station)

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.79	46.95	46.74	46.73	45.40	43.57	43.05	42.32	49.43	47.54	46.27	44.24
2	45.70	47.52	46.82	46.71	44.55	43.42	42.79	42.18	49.89	47.90	46.23	44.27
3	45.70	48.08	46.88	46.69	44.40	43.40	42.52	42.21	50.14	48.03	45.71	44.74
4	45.56	48.82	47.02	46.60	44.37	43.28	42.33	42.51	50.33	47.78	45.56	45.67
5	45.45	49.41	47.14	46.47	44.32	43.15	42.24	42.73	50.59	47.20	45.80	46.03
6	45.62	48.04	47.19	46.40	44.26	43.04	41.88	42.88	50.57	47.16	45.40	46.11
7	45.70	46.47	47.18	46.30	44.18	42.96	41.91	42.85	50.34	47.37	45.19	45.10
8	45.78	46.03	46.84	46.17	44.02	43.44	42.13	42.82	50.07	47.32	44.95	44.56
9	45.81	45.82	46.04	46.12	43.91	43.81	42.28	42.84	49.76	47.12	44.82	44.82
10	46.01	46.98	45.82	46.02	43.81	43.62	42.38	42.91	49.48	46.90	44.57	45.74
11	46.05	47.48	45.75	45.94	43.64	43.29	42.52	42.87	49.36	46.94	44.39	46.20
12	46.16	47.45	45.73	45.93	43.58	42.90	42.48	42.76	49.52	46.74	44.47	46.47
13	45.93	47.38	45.68	45.87	43.45	42.77	42.34	42.86	49.18	46.10	44.39	46.50
14	45.84	47.37	45.65	45.79	43.41	42.73	42.22	43.19	48.86	45.80	44.38	46.68
15	46.22	47.39	45.65	45.47	43.28	42.41	42.15	43.02	48.57	46.33	44.53	46.81
16	46.49	47.40	45.64	45.54	43.28	42.21	42.09	42.78	48.40	46.42	44.50	46.92
17	46.63	47.41	45.63	45.57	43.28	42.02	42.08	42.85	48.28	46.35	44.40	47.04
18	46.70	47.37	45.64	45.58	43.23	41.97	42.01	42.72	48.19	46.47	44.29	47.14
19	46.71	47.34	45.65	45.03	43.18	41.82	41.92	43.00	48.28	46.60	44.31	47.22
20	46.78	47.22	45.63	44.53	43.05	41.71	41.89	43.56	48.22	46.05	44.29	47.13
21	46.85	47.10	45.58	44.43	43.02	41.60	41.94	44.38	48.01	46.37	44.26	46.45
22	46.88	46.87	46.44	45.17	43.00	41.57	42.38	44.68	47.41	46.90	44.50	45.48
23	46.96	46.83	46.79	45.60	43.01	41.37	43.47	44.51	47.12	46.86	44.47	45.16
24	47.01	46.76	46.82	45.61	43.08	41.29	43.70	44.32	47.18	46.85	44.23	45.54
25	47.47	46.78	46.85	45.52	43.35	41.54	43.43	44.31	46.92	46.90	44.15	45.77
26	48.05	46.76	46.84	45.42	43.82	41.53	43.14	44.85	46.86	46.88	44.24	45.81
27	48.04	46.84	46.83	45.32	43.98	41.19	42.86	46.08	47.11	46.44	44.35	45.84
28	48.13	46.70	46.84	45.28	43.81	41.38	42.75	47.18	47.17	46.33	44.28	45.84
29	48.10	46.65	46.85	45.32	---	41.48	42.62	47.94	47.17	46.32	44.12	45.34
30	47.78	46.67	46.84	45.36	---	41.84	42.46	48.42	47.23	46.30	44.24	45.28
31	47.19	---	46.79	45.42	---	42.68	---	48.98	---	46.34	44.34	---
MEAN	46.55	47.20	46.38	45.74	43.70	42.43	42.47	43.91	48.65	46.81	44.71	45.87
MAX	48.13	49.41	47.19	46.73	45.40	43.81	43.70	48.98	50.59	48.03	46.27	47.22
MIN	45.45	45.82	45.58	44.43	43.00	41.19	41.88	42.18	46.86	45.80	44.12	44.24

CAL YR 1985 MEAN 44.91 MAX 49.80 MIN 39.88
WTR YR 1986 MEAN 45.37 MAX 50.59 MIN 41.19

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-50, 1963 to current year.
PERIOD OF DAILY RECORD.--
  SPECIFIC CONDUCTANCE: October 1983 to current year.
  WATER TEMPERATURES: January 1949 to September 1950, May 1963 to current year.
  SUSPENDED SEDIMENT DISCHARGE: October 1980 to current year.
INSTRUMENTATION.--Temperature recorder since May 23, 1963.
EXTREMES FOR PERIOD OF DAILY RECORD.--
  WATER TEMPERATURES: Maximum, 23.3 °C July 27, 1979; minimum, 0.0 °C on many days during winter months.
  SEDIMENT CONCENTRATIONS: Maximum daily, 44 mg/L Apr. 16, 1985; minimum daily, 1 mg/L Dec. 20-29, 1985.
  SEDIMENT LOADS: Maximum daily, 3,130 tons Nov. 3, 1985; minimum daily, 31 tons Dec. 18, 1985.
EXTREMES FOR CURRENT YEAR.--
  SPECIFIC CONDUCTANCE: Maximum daily, 251 µS/cm Jan. 7, 8; minimum daily, 98 µS/cm May 23.
  WATER TEMPERATURES: Maximum, 19.0 °C Aug. 12-13; minimum, 0.0 °C Dec. 17.
  SEDIMENT CONCENTRATIONS: Maximum daily, 41 mg/L Mar. 3; minimum daily, 1 mg/L Dec. 20-29.
  SEDIMENT LOADS: Maximum daily, 3,130 tons Nov. 3; minimum daily, 31 tons Dec. 18.
REMARKS.--National Stream Quality Accounting Network sampling discontinued September 1986.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV 1985											
20...	1000	23300	237	8.30	-0.0	3.5	12.0	101	80	K5	120
DEC											
07...	1200	21700	228	8.00	3.0	4.0	12.5	102	K12	K3	--
09...	1140	13900	228	8.10	-2.0	4.5	12.6	100	K2	K4	--
JAN 1986											
06...	1100	18700	234	8.00	--	3.0	12.8	101	--	--	120
APR											
01...	1015	18700	123	7.80	8.0	5.0	11.0	93	K3	<3	58
JUN											
10...	1030	19000	100	7.70	17.0	10.0	9.8	104	K6	40	60
JUL											
25...	1000	30000	130	8.00	17.0	16.0	9.6	103	K15	K10	110
OCT											
03...	1015	14000	180	8.00	14.0	11.0	10.3	98	20	K10	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV 1985										
20...	33	8.7	2.0	3	0.5	90	18	2.7	0.1	4.6
DEC										
07...	--	--	--	--	--	110	--	--	--	--
09...	--	--	--	--	--	90	--	--	--	--
JAN 1986										
06...	34	8.1	2.8	5	1.0	100	15	2.4	0.1	4.8
APR										
01...	18	4.5	2.2	7	0.8	54	10	1.6	<0.1	10
JUN										
10...	27	7.4	2.0	8	0.6	112	17	2.0	<0.1	3.8
JUL										
25...	31	7.5	2.3	6	0.6	90	13	1.8	0.2	4.7
OCT										
03...	--	--	--	--	--	92	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV 1985										
20...	123	130	0.17	7740	<0.10	0.03	0.3	0.03	0.02	0.02
DEC										
07...	--	--	--	--	0.080	0.010	0.3	0.014	0.005	0.008
09...	--	--	--	--	0.082	0.015	0.2	<0.005	<0.005	0.001
JAN 1986										
06...	131	130	0.18	6970	<0.10	0.03	--	--	<0.01	0.01
APR										
01...	80	78	0.11	4280	0.10	0.02	0.3	0.02	<0.01	<0.01
JUN										
10...	105	130	0.14	4170	<0.10	0.02	0.2	0.01	<0.01	<0.01
JUL										
25...	117	110	0.16	9320	<0.10	0.02	0.4	0.03	0.01	<0.01
OCT										
03...	--	--	--	--	0.10	0.02	0.8	0.01	<0.01	0.02

K Results based on counts outside ideal colony range.

KOOTENAI RIVER BASIN

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)
NOV 1985										
20...	<10	44	<0.5	<1	<1	<3	2	8	10	<4
APR										
01...	60	30	<0.5	<1	<1	<3	6	60	9	<4
JUN										
10...	20	45	<0.5	<1	<1	<3	3	15	5	6

DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 1985									
20...	4	<0.1	<10	<1	<1	<1	110	<6	8
APR									
01...	10	<0.1	<10	<1	<1	<1	55	<6	13
JUN									
10...	4	0.1	<10	2	<1	<1	82	<6	10

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
OCT 1985			
29...	15	1077	80
DEC			
09...	10	603	85
JAN 1986			
06...	8	478	90
FEB			
26...	8	287	81
APR			
01...	13	881	85
29...	9	309	86
JUN			
10...	23	831	58
AUG			
22...	6	214	80
OCT			
03...	5	201	73

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	208	---	---	---	161	128	130	---	221	219	224
2	231	208	---	---	---	143	120	132	---	215	218	222
3	229	208	---	---	---	148	136	136	---	215	217	220
4	228	188	---	---	---	154	143	138	---	215	223	222
5	224	---	---	---	---	182	146	140	---	218	223	218
6	228	---	237	---	---	182	145	134	---	214	218	217
7	226	162	238	251	---	158	148	124	---	213	215	226
8	222	162	238	248	---	---	151	115	---	209	222	229
9	220	156	238	251	---	---	144	117	---	218	217	225
10	218	125	238	250	---	---	150	115	---	214	219	224
11	225	135	244	247	---	---	151	116	---	213	220	221
12	222	186	236	249	---	---	138	117	---	208	223	228
13	220	207	236	247	---	---	131	---	---	212	222	230
14	222	213	250	249	---	---	127	122	---	212	218	233
15	223	216	248	246	---	---	130	129	---	---	217	229
16	221	217	242	246	---	---	139	127	---	---	221	226
17	225	218	239	249	---	---	143	118	215	---	215	224
18	223	218	240	---	---	---	---	119	208	208	217	221
19	223	---	235	---	---	---	153	121	221	---	216	219
20	222	---	236	---	---	---	148	126	221	---	210	225
21	226	229	228	---	---	---	143	121	226	---	214	225
22	226	229	237	---	---	---	152	---	230	---	211	223
23	225	217	---	---	---	---	148	---	230	---	233	223
24	222	---	---	---	---	---	119	---	230	---	230	227
25	220	---	---	---	---	---	114	96	228	220	229	215
26	224	235	---	---	232	---	108	98	214	219	231	216
27	197	238	---	---	233	---	113	---	222	222	230	220
28	186	233	233	---	208	---	---	---	220	222	228	---
29	207	232	232	---	---	---	122	---	220	217	217	---
30	199	---	234	---	---	---	126	---	223	218	224	---
31	203	---	223	---	---	---	---	---	---	218	242	---
MEAN	220	202	237	251	224	155	136	122	222	216	221	223

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.0	11.0	8.0	7.0	3.0	2.0	3.0	3.0	3.0	3.0	3.5	3.0
2	11.0	10.5	7.0	7.0	2.0	2.0	3.0	3.0	3.5	3.0	3.5	3.0
3	10.5	10.5	8.0	7.0	2.0	2.0	3.0	3.0	3.5	3.5	3.5	3.5
4	10.5	10.5	8.0	8.0	2.0	2.0	3.0	3.0	3.5	3.5	4.0	3.5
5	10.5	10.5	8.0	8.0	3.5	2.0	3.0	3.0	3.5	3.5	4.0	4.0
6	10.5	10.5	8.0	6.5	3.5	3.5	3.0	3.0	3.5	3.5	4.5	4.0
7	10.5	10.5	6.5	6.5	3.5	3.5	3.0	3.0	3.5	3.0	4.5	4.0
8	10.5	10.5	6.5	6.0	4.0	3.5	3.0	3.0	3.0	3.0	4.5	4.5
9	10.5	10.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	2.0	4.5	4.5
10	10.0	10.0	5.0	4.5	4.0	3.5	3.0	3.0	3.0	2.0	4.5	4.5
11	10.0	10.0	4.5	4.0	3.5	3.5	3.0	3.0	3.0	2.0	4.5	4.5
12	10.5	10.0	5.0	4.5	3.5	3.0	3.0	3.0	2.0	1.5	4.5	4.5
13	10.5	10.5	5.0	5.0	3.0	2.0	3.0	3.0	1.5	1.0	4.5	4.5
14	10.5	10.5	5.0	5.0	2.0	2.0	3.0	3.0	2.0	1.5	4.5	4.5
15	10.5	10.0	5.0	5.0	2.0	1.0	3.0	2.0	1.5	1.5	5.0	4.5
16	10.0	9.5	5.0	5.0	1.0	.5	2.0	2.0	1.5	1.5	5.0	5.0
17	10.0	10.0	5.5	5.0	.5	.0	2.0	2.0	1.5	1.5	5.0	5.0
18	10.0	9.5	5.5	5.5	.5	.5	3.0	2.0	1.5	1.5	5.0	5.0
19	9.5	9.5	5.5	5.5	.5	.5	3.5	3.5	1.5	1.5	5.5	5.0
20	9.5	9.5	5.5	5.0	.5	.5	3.5	3.5	2.0	1.5	6.0	5.5
21	9.5	9.5	5.0	5.0	.5	.5	3.5	3.5	1.5	1.5	5.5	5.5
22	9.5	9.5	5.0	4.5	1.5	.5	3.5	3.5	1.5	1.5	6.0	5.5
23	9.5	9.5	4.5	4.0	3.0	1.5	3.5	3.0	1.5	1.5	6.0	5.5
24	9.5	9.0	4.0	3.5	3.0	3.0	3.0	3.0	1.5	1.0	6.0	6.0
25	9.0	9.0	3.5	3.5	3.0	3.0	3.0	3.0	1.0	1.0	6.0	5.5
26	9.0	9.0	3.5	3.5	3.5	3.0	3.0	3.0	2.0	1.0	5.5	5.5
27	9.0	8.0	3.5	3.5	3.5	3.5	3.0	2.0	3.5	2.0	6.0	5.5
28	8.0	8.0	3.5	3.0	3.5	3.5	2.0	2.0	3.5	3.5	---	---
29	8.5	8.0	3.0	3.0	3.5	3.0	2.0	2.0	---	---	---	---
30	8.5	8.0	3.0	3.0	3.0	3.0	3.0	2.0	---	---	---	---
31	8.0	8.0	---	---	3.0	3.0	3.0	3.0	---	---	---	---
MONTH	11.0	8.0	8.0	3.0	4.0	.0	3.5	2.0	3.5	1.0	6.0	3.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.0	8.0	7.0	14.5	14.0	15.5	15.5	15.0	14.5	16.0	16.0
2	6.0	5.5	8.0	7.0	14.5	14.5	15.5	15.0	15.0	14.5	16.5	16.0
3	6.0	5.5	8.0	7.0	15.0	14.5	15.0	15.0	14.5	14.5	16.5	16.5
4	6.0	6.0	9.0	8.0	15.5	15.0	15.0	14.5	15.5	14.5	16.5	16.5
5	6.5	6.0	9.5	9.0	16.0	15.5	14.5	14.5	16.0	15.5	16.5	16.0
6	7.0	6.5	9.5	9.0	16.0	15.5	14.5	13.5	17.0	16.0	16.0	15.0
7	8.0	7.0	9.0	9.0	15.5	15.0	13.5	13.5	17.0	16.5	15.0	15.0
8	8.5	8.0	9.5	9.0	15.0	15.0	13.5	13.5	17.0	16.5	15.0	15.0
9	8.5	8.5	9.5	9.0	15.0	14.5	14.0	13.5	17.0	17.0	15.0	14.5
10	8.5	8.5	10.0	9.0	14.5	14.0	14.0	14.0	18.0	17.0	15.5	15.0
11	8.5	8.5	9.5	9.5	14.0	14.0	14.5	14.0	18.5	17.0	15.5	14.5
12	8.5	8.5	9.5	9.5	14.5	14.0	14.5	14.5	19.0	18.5	14.5	14.0
13	8.5	7.0	9.5	9.0	15.5	14.5	14.5	14.5	19.0	18.5	14.0	13.5
14	7.0	6.5	9.0	9.0	16.0	15.5	15.0	14.5	18.5	18.0	13.5	13.0
15	6.5	6.0	9.0	8.5	16.0	15.5	14.5	14.0	18.5	17.0	13.5	13.0
16	6.5	6.0	8.5	8.0	16.0	15.5	14.5	14.0	17.0	16.5	14.5	13.5
17	8.0	6.5	8.0	8.0	16.0	15.5	14.5	14.0	17.0	16.5	14.5	14.5
18	8.5	8.0	8.5	8.0	16.0	16.0	14.0	13.0	16.5	16.0	15.0	14.5
19	8.5	8.5	9.5	8.5	16.0	16.0	13.5	13.0	16.5	16.0	15.0	14.5
20	9.0	8.5	10.0	9.5	16.0	15.5	14.0	13.5	16.0	16.0	14.5	14.0
21	8.5	8.5	10.5	10.0	15.5	14.5	14.5	14.0	16.5	15.5	14.5	14.0
22	8.5	8.5	10.5	10.5	14.5	14.5	14.5	14.0	16.5	16.0	14.5	14.5
23	9.0	8.5	10.5	9.5	14.5	14.5	15.0	14.5	16.5	16.5	14.5	14.5
24	9.0	8.5	10.0	10.0	15.0	14.5	15.0	14.5	16.5	16.5	15.0	15.0
25	8.5	8.0	10.0	10.0	16.0	15.0	15.0	14.5	16.5	15.5	15.0	14.5
26	8.0	7.0	10.5	10.0	16.5	16.0	15.0	15.0	15.5	15.5	14.5	14.0
27	8.0	7.0	12.0	10.5	16.5	16.0	15.0	15.0	16.0	15.5	14.0	14.0
28	8.0	8.0	13.5	12.0	16.0	15.5	15.0	14.5	16.0	16.0	14.0	13.5
29	8.0	8.0	13.5	13.5	15.5	15.0	15.0	14.5	17.0	16.5	13.5	13.5
30	8.0	7.0	14.0	13.5	15.5	15.5	15.0	15.0	18.0	17.0	13.5	13.0
31	---	---	14.0	14.0	---	---	15.0	14.5	18.0	18.0	---	---
MONTH	9.0	5.5	14.0	7.0	16.5	14.0	15.5	13.0	19.0	14.5	16.5	13.0

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	21300	14	805	11200	5	151	18300		
2	19600	24	1270	10900	5	147	17800		
3	17700	17	812	11700	5	158	18800		
4	16500	14	624	13500	5	182	19100		
5	15500	11	460	14900	5	201	20200		
6	14000	8	302	15100	7	285	19900		
7	14000	7	265	14800	7	280	18200		
8	15300	7	289	14400	6	233	17400		
9	15900	6	258	14300	7	270	18800		
10	15900	6	258	14100	6	228	18500		
11	16200	8	350	13900	7	263	15800		
12	15900	8	343	13100	8	283	17900		
13	14600	12	473	13900	8	300	15300		
14	13500	5	182	15400	8	333	14700		
15	12900	6	209	14500	6	235	14300		
16	12600	12	408	13300	5	180	14500		
17	12300	13	432	12700	5	171	15200	21	862
18	12000	10	324	12700	4	137	16800	7	318
19	11600	6	188	13800	6	224	17400	4	188
20	11300	8	244	16400	7	310	17600	5	238
21	11600	4	125	19100	10	516	16100	5	217
22	14200	6	230	19100	---	---	12000	4	130
23	19800	16	855	17400	---	---	11600	4	125
24	19000	16	821	15700	---	---	13300	4	144
25	17000	10	459	15500	5	209	11700	2	63
26	15000	7	283	17400	5	235	13700	5	185
27	13600	6	220	20900	---	---	17100	4	185
28	12700	5	171	22900	---	---	18300	6	296
29	12100	8	261	23200	---	---	17600	5	238
30	11600	6	188	22200	---	---	16700	6	271
31	---	---	---	20900	---	---	---	---	---
TOTAL	445100	---	12107	488800	---	5531.00	488300	---	3460.00
		JULY			AUGUST			SEPTEMBER	
1	19300	8	417	16100	4	174	6120	12	198
2	22700	8	490	15800	4	171	6110	7	115
3	20400	11	606	10900	4	118	11900	7	225
4	19700	9	479	10700	4	116	20600	6	334
5	15900	8	343	14900	4	161	21000	8	454
6	16100	9	391	12100	3	98	19500	6	316
7	20100	10	543	11000	3	89	10500	6	170
8	19800	11	588	10200	3	83	6170	5	83
9	19300	12	625	10700	4	116	12400	5	167
10	19200	13	674	8780	3	71	22100	6	358
11	19300	12	625	7340	4	79	24300	8	525
12	17200	12	557	9800	4	106	24700	9	600
13	12200	10	329	9000	2	49	24800	10	670
14	12200	8	264	8730	2	47	24900	8	538
15	16800	6	272	10600	2	57	25000	8	540
16	18100	---	---	11300	3	92	25100	10	678
17	18200	---	---	9070	2	49	25100	14	949
18	18400	---	---	8280	3	67	25300	10	683
19	18400	---	---	8890	3	72	24900	10	672
20	19000	---	---	8970	3	73	22900	9	556
21	18800	---	---	8120	3	66	15700	8	339
22	20900	---	---	11000	5	148	8620	5	116
23	19000	---	---	10900	6	177	8100	5	109
24	18800	---	---	8140	6	132	14000	7	265
25	20000	5	270	7920	5	107	15200	5	205
26	17800	6	288	9760	6	158	15100	6	245
27	15200	5	205	10800	6	175	15500	8	335
28	15200	3	123	9040	5	122	13100	---	---
29	14700	3	119	7130	5	96	8340	---	---
30	15200	2	82	7430	7	140	8210	---	---
31	16000	4	173	8010	9	195	---	---	---
TOTAL	547900	---	8483.00	311390	---	3404	505270	---	10445.00

12322000 KOOTENAI RIVER AT PORTHILL, ID--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	15100	3	122	22500	7	425	22700	---	---
2	15200	3	123	28200	8	588	22400	---	---
3	15100	4	163	29800	11	885	21900	---	---
4	14500	6	235	33400	20	1800	22100	---	---
5	13800	3	112	36200	32	3130	22000	---	---
6	15100	3	122	23500	35	2220	22100	5	290
7	15500	3	126	15100	33	1350	22300	5	301
8	17200	3	139	12500	21	709	17800	5	240
9	18200	4	197	11700	13	411	10100	4	109
10	20100	5	271	23000	12	745	6710	4	72
11	20800	7	389	25500	17	1170	6040	3	49
12	20400	6	330	25800	15	1040	5980	3	40
13	16700	6	271	25400	12	823	5990	2	32
14	18000	5	243	24800	12	807	6080	3	49
15	19800	7	374	25100	10	678	6000	3	49
16	21300	6	345	25200	12	816	5940	2	32
17	22100	8	477	25300	11	751	6000	2	32
18	21900	10	591	25200	12	816	5820	2	31
19	21900	11	650	24800	15	1000	5840	3	48
20	21900	13	769	23900	9	581	5830	3	46
21	21900	15	887	23600	9	573	6310	3	51
22	22300	19	1140	23500	9	571	18300	6	303
23	22500	19	1150	22900	11	680	20600	---	---
24	22900	17	1050	22700	9	552	21200	---	---
25	25700	15	1040	22800	6	369	21300	---	---
26	28400	22	1690	22900	5	309	21300	2	115
27	27700	24	1790	22800	7	431	21300	2	115
28	27400	27	2000	23200	7	438	21200	1	57
29	27200	15	1100	22800	9	554	21100	1	57
30	20000	14	983	22900	---	---	21100	---	---
31	22200	10	599	---	---	---	21100	---	---
TOTAL	630000	---	19478	714700	---	25187.00	483870	---	2222.00
		JANUARY			FEBRUARY			MARCH	
1	21200	---	---	18200			12800	31	1050
2	21100	---	---	7720			12800	41	1390
3	21200	---	---	6870			12800	34	1180
4	21400	---	---	6800			13000	18	632
5	21400	---	---	6730			13300	16	575
6	21200	8	458	6870			13100	17	601
7	21200	4	229	6420			13800	16	596
8	21000	4	227	6290			17800		
9	20700	4	224	6100			19300		
10	20400	4	220	6270			18000		
11	20300	3	164	6250			16400		
12	20300	5	274	6120			14800		
13	20200	6	327	6050			14100		
14	20000	4	216	6040			14200		
15	17500	5	236	6850			12700		
16	18600	4	201	6540			12100		
17	18900	3	153	7060			11500		
18	19000	5	256	7420			12000		
19	12000	---	---	7030			11700		
20	7700	---	---	6780			11800		
21	7200	---	---	6480			11700		
22	18400	---	---	6540			12000		
23	19100	---	---	6380			11200		
24	19800	---	---	6350			11300		
25	18700	---	---	6310			14000		
26	18800	---	---	13000	8	281	13000		
27	18900	---	---	14400	10	389	11400		
28	18600	---	---	13500	16	658	12700		
29	18500	---	---	---	---	---	13700		
30	18500	---	---	---	---	---	15800		
31	19300	---	---	---	---	---	21000		
TOTAL	584800	---	3185.00	217950	---	1328.00	425000	---	8018.00

12322500 KOOTENAY LAKE AT KUSKONOOK, BRITISH COLUMBIA

LOCATION.--Lat 49°17'56", long 116°38'31", on east shore of lake at Kuskonook and at mile 74.5.

PERIOD OF RECORD.--April 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,735.20 ft, National Geodetic Vertical Datum of 1929, which is the same at Porthill as datum of 1929, supplementary adjustment of 1947, and 0.03 ft higher than datum in use at station Kootenai River at Porthill. Prior to Apr. 25, 1938, nonrecording gage at same site at datum 3.00 ft higher. Add 1,700 ft to published gage heights to obtain National Geodetic Vertical Datum of 1929.

REMARKS.--Elevation is subject to partial regulation by Corra Linn Dam on Kootenay River below outlet. Major inflow is from Kootenai River (see sta 12322000). Diversions for irrigation of about 14,600 acres above Kootenay Lake.

COOPERATION.--This station is maintained by Canada under agreement with the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,762.42 ft June 9, 1961; minimum daily, 1,737.86 ft Apr. 5, 6, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,749.38 ft June 6; minimum daily, 1,740.11 ft Mar. 29.

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.79	45.19	44.92	45.12	44.13	42.55	40.37	41.30	47.89	46.20	45.17	43.93
2	44.70	45.10	45.03	45.09	44.16	42.43	40.48	41.19	48.61	46.32	45.14	43.96
3	44.67	45.26	45.18	45.04	44.06	42.35	40.53	41.16	48.98	46.43	45.09	44.03
4	44.60	45.41	45.30	44.90	44.02	42.19	40.57	41.18	49.09	46.35	44.98	44.20
5	44.59	45.54	45.44	44.79	43.98	42.04	40.58	41.23	49.21	46.17	44.88	44.40
6	44.64	45.58	45.47	44.71	43.93	41.90	40.57	41.31	49.32	45.99	44.70	44.48
7	44.66	45.38	45.41	44.60	43.85	41.80	40.51	41.36	49.19	45.89	44.50	44.45
8	44.58	45.19	45.41	44.52	43.69	41.77	40.47	41.40	48.99	45.81	44.33	44.27
9	44.51	45.15	45.50	44.47	43.58	41.79	40.50	41.43	48.73	45.71	44.18	44.11
10	44.47	45.19	45.50	44.39	43.45	41.77	40.60	41.50	48.49	45.60	44.07	44.09
11	44.47	45.19	45.47	44.35	43.31	41.68	40.69	41.52	48.42	45.53	43.97	44.22
12	44.54	45.16	45.43	44.30	43.22	41.58	40.78	41.54	48.40	45.48	43.89	44.37
13	44.65	45.18	45.38	44.24	43.16	41.47	40.84	41.55	48.27	45.34	43.88	44.49
14	44.68	45.22	45.36	44.20	43.08	41.34	40.89	41.59	48.03	45.18	43.87	44.58
15	44.13	45.19	45.36	44.17	42.97	41.26	40.90	41.56	47.79	45.12	43.86	44.68
16	44.87	45.18	45.35	44.15	42.97	41.12	40.92	41.50	47.57	45.09	43.88	44.80
17	44.93	45.19	45.34	44.12	42.90	40.97	40.91	41.52	47.33	45.07	43.87	44.93
18	45.00	45.19	45.36	44.12	42.83	40.85	40.88	41.58	47.18	45.11	43.82	45.03
19	45.06	45.20	45.36	44.17	42.77	40.74	40.87	41.65	47.18	45.21	43.79	45.15
20	45.10	45.18	45.33	44.12	42.68	40.63	40.85	41.84	47.07	45.28	43.76	45.23
21	45.13	45.10	45.27	44.07	42.65	40.53	40.86	42.22	46.91	45.28	43.81	45.20
22	45.15	44.99	45.22	44.08	42.62	40.43	40.95	42.54	46.69	45.38	43.80	45.02
23	45.19	44.87	45.20	44.09	42.65	40.35	41.17	42.74	46.44	45.50	43.81	44.78
24	45.22	44.88	45.20	44.02	42.71	40.29	41.43	42.82	46.32	45.52	43.76	44.71
25	45.35	44.88	45.21	43.93	42.74	40.24	41.57	42.88	46.20	45.53	43.69	44.75
26	45.50	44.85	45.20	43.80	42.78	40.21	41.60	43.12	46.05	45.55	43.65	44.82
27	45.66	44.86	45.19	43.69	42.81	40.17	41.58	43.67	45.94	45.47	43.68	44.85
28	45.78	44.74	45.22	43.69	42.73	40.13	41.54	44.52	45.88	45.34	43.74	44.93
29	45.69	44.75	45.24	43.72	---	40.11	41.47	45.35	45.99	45.30	43.75	44.90
30	45.47	44.80	45.24	43.80	---	40.14	41.41	46.21	46.14	45.30	43.82	44.86
31	45.30	---	45.18	43.93	---	40.23	---	47.08	---	45.24	43.90	---
MEAN	44.9	45.1	45.3	44.3	43.2	41.1	40.9	42.3	47.6	45.6	44.1	44.6
MAX	45.78	45.58	45.50	45.12	44.16	42.55	41.60	47.08	49.32	46.43	45.17	45.23
MIN	44.13	44.74	44.92	43.69	42.62	40.11	40.37	41.16	45.88	45.07	43.65	43.93

CAL YR 1985 MEAN 43.6 MAX 47.83 MIN 39.46
WTR YR 1986 MEAN 44.1 MAX 49.32 MIN 40.11

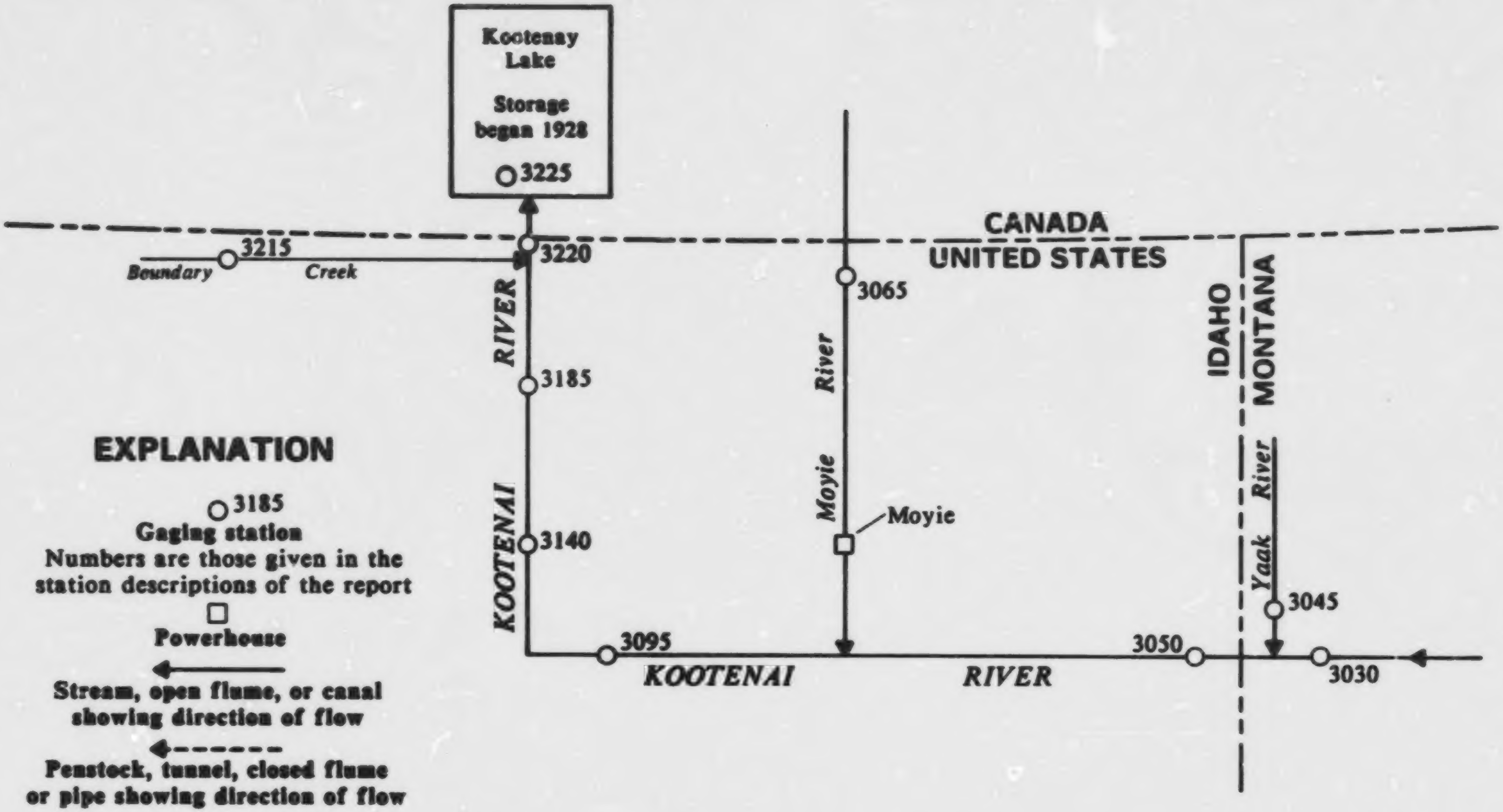

Kootenay Lake
Storage began 1928
3225
CANADA
UNITED STATES
3215
Boundary
Creek
3220
RIVER
3185
KOOTENAI
3140
3095
KOOTENAI
RIVER
3065
River
Moyie
Moyie
3050
IDAHO
MONTANA
River
Yaak
3045
3030
EXPLANATION
3185
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 13.--Gaging stations in Kootenai River basin.

12392000 CLARK FORK AT WHITEHORSE RAPIDS, NEAR CABINET, ID

LOCATION.--Lat 48°05'18", long 116°04'16", in SW¼NW¼ sec.27, T.55 N., R.3 E., Bonner County, Hydrologic Unit 17010213, on right bank 0.8 mi downstream from Cabinet Gorge Dam at cableway, 2.1 mi downstream from Blue Creek, 8.1 mi southeast of Clark Fork, and at mile 149.1. Discharge computed at Whitehorse Rapids, 2.3 mi downstream.

DRAINAGE AREA.--22,073 mi^2, revised. (Based on area of 22,067 mi^2 for site 0.4 mi upstream prior to Oct. 1, 1964.)

PERIOD OF RECORD.--September 1928 to current year. Prior to October 1952, published as "near Heron, Mont."

REVISED RECORDS.--WSP 1182: 1936. WSP 1736: 1931, 1936(m), 1937.

GAGE.--Water-stage recorder. Datum of gage is 2,060.00 ft above National Geodetic Vertical Datum of 1929 (levels by Washington Water Power Co). See WSP 1934 for history of changes made prior to Sept. 30, 1952. Water-stage recorder at site 0.4 mi upstream at datum 60.00 ft lower Oct. 1, 1952, to Sept. 30, 1964, and at present datum Oct. 1, 1964, to May 21, 1973.

REMARKS.--Estimated daily discharges: Apr. 10-22, July 24-28, Aug. 2-11, and Aug. 15 to Sept. 30. Records good except for periods of estimated daily discharge, which are fair. Flow regulated by Hungry Horse Reservoir, Flathead Lake, and Noxon Rapids Reservoir. Extreme diurnal fluctuation caused by powerplant at Cabinet Gorge Dam. Diversions above station for irrigation of about 354,000 acres. Discharge measurements indicate about 800 ft^3/s ground-water inflow between Cabinet Gorge Dam and Whitehorse Rapids. Records given herein represent flow at Whitehorse Rapids, computed by adding 800 ft^3/s to observed flows at the measuring cableway, and are considered comparable to records at former site near Heron, except for minor surface inflow from additional drainage area. To determine flow at Cabinet Gorge Dam, 800 ft^3/s should be deducted from discharges published herein.

AVERAGE DISCHARGE.--58 years, 22,360 ft^3/s, 16,200,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft^3/s May 29 to June 1, 1948; maximum gage height, 50.97 ft May 31, 1948, site and datum then in use; minimum observed, 270 ft^3/s Aug. 12, 1952 (discharge measurement), at sites in use since October 1952, during filling of Cabinet Gorge Reservoir; minimum daily since reservoir filled, 762 ft^3/s Sept. 2, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1894 reached a discharge of 195,000 ft^3/s from floodmark, elevation of 2,137.1 ft, at site about 4 mi upstream and 0.1 mi below "near Heron" site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 88,700 ft^3/s June 1, gage height, 23.03 ft; minimum recorded, 1,080 ft^3/s Aug. 12, gage height, 4.25 ft, but may have been less during period of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13200	20200	13800	14800	16700	33600	40000	30300	83500	23600	8260	7310
2	17200	15100	15100	12400	10800	28300	38400	25500	82800	23000	7550	7700
3	16900	18000	12800	17700	19500	30500	33900	29500	82700	17700	7990	9900
4	17500	23900	16500	15300	18700	29600	35100	29600	79400	16800	8320	9490
5	17100	25600	16300	9020	19900	30200	26400	32700	77900	25700	7840	10300
6	14100	23100	9440	16300	16400	32000	25600	34500	75800	16500	7830	6990
7	24600	22100	17300	14500	21400	34800	22700	32200	74100	21300	8820	8610
8	18100	22000	14000	12900	19800	36900	20600	30200	68000	17800	9060	16200
9	15700	17700	19400	17000	7620	38700	22000	27000	65100	13200	6640	14100
10	15200	19900	21700	21200	15300	33500	28700	35000	62200	14100	8910	9950
11	14900	22500	21800	12400	17900	28300	34600	32100	58100	16600	9540	15700
12	21000	22300	16500	14000	17400	31200	35700	27000	50200	12100	10400	12700
13	9390	19700	18100	20200	19000	31200	35700	27400	42000	13800	10100	12500
14	17000	21300	17600	15800	17400	28200	35300	29000	38800	17700	6760	15900
15	13700	19600	9990	12200	16400	23900	33400	30700	40000	18100	4720	15200
16	15000	17200	19200	21800	12100	23900	34600	25800	41200	14400	7370	13800
17	20300	14100	20000	23700	17900	27700	33400	23800	41600	12800	6670	13800
18	14600	18200	18700	12100	18000	24500	32300	23600	35100	19400	8370	14900
19	14700	19600	18200	16800	15800	20200	31500	27000	30900	21200	7570	11700
20	13900	18500	9810	15000	16600	23100	27700	23200	30700	18300	11600	14800
21	15600	17200	13200	16000	12200	25200	29500	23800	32700	17300	12900	16900
22	18900	15800	8820	17900	18300	23200	24500	26400	28000	18000	9240	17300
23	16400	14800	14000	17600	19600	23900	36800	32300	28100	15000	9480	18100
24	15500	12100	12400	11800	18700	24700	20700	35100	29700	14400	6540	18500
25	17000	16700	3900	12100	21000	24900	24200	36800	23700	12600	13000	16700
26	19400	11000	22200	10900	32700	24800	35700	38200	17200	8420	8270	16400
27	16800	9190	22600	22100	42000	23200	30500	42800	22200	12900	15200	16500
28	18700	8080	16300	20200	39800	23700	31900	53400	21200	8780	8050	16700
29	20600	16000	5760	14300	---	24000	25900	66800	17600	8490	4960	20000
30	19300	16700	18600	13200	---	24900	28500	77200	23600	9710	3680	13600
31	20000	---	17200	15600	---	29700	---	81400	---	10000	3720	---
TOTAL	522090	536170	481220	486820	538920	862500	915800	1090300	1402100	489700	259360	412250
MEAN	16840	17870	15520	15700	19250	27820	30530	35170	46740	15800	8366	13740
MAX	24600	25600	22600	23700	42000	38700	40000	81400	83500	25700	15200	20000
MIN	9390	8080	3900	9020	7620	20200	20600	23200	17200	8420	3680	6990
AC-FT	1035000	1063000	954500	965600	1069000	1711000	1816000	2163000	2781000	971300	514400	817700

CAL YR 1985 TOTAL 7466890 MEAN 20460 MAX 60100 MIN 3900 AC-FT 14811000
WTR YR 1986 TOTAL 7997230 MEAN 21910 MAX 83500 MIN 3680 AC-FT 15863000

12392000 CLARK FORK AT WHITEHORSE RAPIDS, NEAR CABINET, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1984 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
04...	1030	24600	178	9.0	5	332
16...	1000	24500	196	7.0	3	198
JAN						
21...	1200	22800	194	2.0	2	123
FEB						
24...	1000	24000	200	--	2	130
MAR						
24...	1100	25200	156	7.0	6	408
APR						
22...	1000	33200	155	12.0	6	538
MAY						
12...	0900	26400	161	9.5	3	214
19...	0900	30900	141	--	3	250
27...	0930	38800	146	16.0	3	314
JUN						
05...	0900	79800	131	16.0	14	3020
09...	1000	64600	136	17.0	10	1740
16...	1000	40200	150	17.0	6	651
30...	1000	27700	153	26.0	3	224
JUL						
07...	1000	24100	172	19.0	2	130
14...	0900	21500	176	18.0	2	116
21...	0930	12600	183	21.0	2	68
28...	0930	8830	188	21.0	3	72
AUG						
25...	1000	14400	187	--	2	78

12392500 PEND OREILLE LAKE NEAR HOPE, ID

LOCATION.--Lat 48°16'35", long 116°20'47", in NW¼SE¼NW¼ sec. 21, T. 57 N., R. 1 E., Bonner County, Hydrologic Unit 17010214, 0.5 mi southeast of Trestle Creek, and 2.5 mi northwest of Hope.

DRAINAGE AREA.--22,900 mi², approximately (natural drainage area above mouth of lake at Sandpoint).

PERIOD OF RECORD.--March 1914 to current year. Published as "at Sandpoint" 1914-22. Records published for both sites September 1921 to September 1922. Published as "at Hope" September 1921 to December 1974.

REVISED RECORDS.--WSP 1122: 1946.

GAGE.--Water-stage recorder. Datum of gage is 2,000.00 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations of that datum. Prior to Oct. 1, 1921, nonrecording gage at Sandpoint at datum 42.18 ft higher. Oct. 1, 1921, to Sept. 30, 1929, nonrecording gage "at Hope" site at datum 45.47 ft higher than present datum. Oct. 1, 1929, to Sept. 30, 1950, water-stage recorder "at Hope" site at datum 0.20 ft lower than present datum. Oct. 1, 1950, to Dec. 23, 1974, water-stage recorder "at Hope" site at present datum.

REMARKS.--Regulation at Albeni Falls Dam beginning June 4, 1952. Contents shown is that above elevation 2,044.8 ft but does not include storage in Pend Oreille River above Albeni Falls Dam.

COOPERATION.--Capacity table provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2,071.62 ft, present datum, June 9, 1948, contents, 2,462,000 acre-ft; minimum, 2,046.27 ft, present datum, Feb. 17, 1936, contents, 117,700 acre-ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 2,075.88 ft, present datum, June 1894, contents, 2,905,000 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,062.48 ft June 17, contents, 1,559,000 acre-ft; minimum, 2,053.28 ft Feb. 10, contents, 716,700 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

2,050	432,000
2,055	871,600
2,060	1,327,000
2,065	1,801,000

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.06	57.44	53.84	53.99	53.65	54.88	56.54	56.00	59.85	62.27	62.24	62.17
2	60.25	57.23	53.90	53.91	53.54	55.03	56.59	55.99	60.20	62.28	62.32	62.14
3	60.52	57.02	53.86	53.95	53.60	55.27	56.51	56.04	60.57	62.21	62.39	62.12
4	60.81	57.10	53.84	53.88	53.65	55.56	56.48	56.09	60.88	62.14	62.38	62.08
5	61.09	57.13	53.86	53.76	53.71	55.87	56.24	56.18	61.17	62.31	62.31	61.91
6	61.31	57.07	53.79	53.77	53.65	56.22	56.01	56.24	61.38	62.29	62.23	61.76
7	61.54	56.96	53.80	53.74	53.64	56.70	55.84	56.28	61.54	62.38	62.26	61.62
8	61.57	56.86	53.88	53.67	53.61	57.01	55.82	56.29	61.57	62.42	62.32	61.66
9	61.39	56.52	53.95	53.68	53.39	57.38	55.89	56.26	61.65	62.39	62.30	61.64
10	61.20	56.36	54.01	53.81	53.36	57.56	55.98	56.46	61.86	62.29	62.30	61.52
11	61.08	56.18	54.04	53.75	53.40	57.53	56.15	56.60	62.02	62.36	62.32	61.46
12	61.06	56.01	53.94	53.75	53.50	57.55	56.15	56.59	62.14	62.32	62.36	61.28
13	60.80	55.85	53.88	53.87	53.60	57.52	56.13	56.67	62.24	62.31	62.37	61.17
14	60.74	55.70	53.91	53.87	53.65	57.50	56.09	56.82	62.29	62.42	62.35	61.13
15	60.59	55.58	53.81	53.78	53.77	57.33	56.08	56.90	62.41	62.39	62.28	61.10
16	60.37	55.40	53.86	53.92	53.74	57.16	56.12	57.01	62.47	62.31	62.21	61.03
17	60.21	55.16	53.89	53.99	53.68	57.03	56.15	56.96	62.47	62.27	62.23	60.95
18	60.02	54.88	53.86	53.94	53.62	56.89	56.26	56.95	62.37	62.35	62.22	60.90
19	59.78	54.67	53.82	53.94	53.50	56.64	56.26	57.05	62.25	62.43	62.24	60.82
20	59.50	54.40	53.84	53.92	53.51	56.49	56.13	57.31	62.28	62.43	62.24	60.74
21	59.25	54.18	53.67	53.87	53.42	56.47	56.06	57.48	62.31	62.34	62.34	60.72
22	58.99	53.96	53.63	53.90	53.48	56.43	55.92	57.57	62.27	62.33	62.36	60.73
23	58.85	53.76	53.67	53.96	53.54	56.40	56.23	57.67	62.23	62.41	62.33	60.73
24	58.67	53.59	53.61	53.85	53.56	56.41	55.98	57.88	62.32	62.41	62.28	60.68
25	58.53	53.67	53.46	53.76	53.65	56.40	56.01	57.71	62.32	62.41	62.27	60.57
26	58.34	53.65	53.72	53.65	53.94	56.40	56.25	57.78	62.19	62.29	62.23	60.42
27	58.15	53.60	54.00	53.86	54.32	56.35	56.20	57.91	62.26	62.27	62.36	60.33
28	57.90	53.54	54.07	53.90	54.63	56.29	56.15	58.22	62.36	62.22	62.38	60.17
29	57.78	53.70	53.87	53.82	---	56.29	55.98	58.67	62.31	62.17	62.35	60.17
30	57.60	53.85	53.92	53.70	---	56.33	55.98	59.10	62.27	62.14	62.28	59.98
31	57.52	---	53.97	53.61	---	56.36	---	59.45	---	62.15	62.16	---
MEAN	59.86	55.37	53.84	53.83	53.65	56.56	56.14	57.10	61.88	62.31	62.30	61.12
MAX	61.57	57.44	54.07	53.99	54.63	57.56	56.59	59.45	62.47	62.43	62.39	62.17
MIN	57.52	53.54	53.46	53.61	53.36	54.88	55.82	55.99	59.85	62.14	62.16	59.98
(†)	1099000	769200	779800	747800	838600	993900	959700	1276000	1539000	1528000	1529000	1325000
(‡)	-240000	-329800	10600	-32000	90800	155300	-34200	316300	263000	-11000	1000	-204000

CAL YR 1985.......(‡) 222900
WTR YR 1986.......(‡) -14000

(†) Contents, in acre-feet, at end of month.
(‡) Change in contents, in acre-feet.

12392895 BLANCHARD CREEK ABOVE RESERVOIR NEAR BLANCHARD, ID

LOCATION.--Lat 47°58'58", long 117°01'51", in NE¼NW¼SE¼, sec. 25, T. 54 N., R. 5 W., Bonner County, Hydrologic Unit 17010214, on left bank 5.0 ft upstream from private drive bridge just off Blanchard Loop Road, 0.6 mi downstream from Idaho-Washington State line, 2.5 mi downstream from North Fork, 2.5 mi west of Blanchard Lake, and 2.5 mi southwest of Blanchard.

DRAINAGE AREA.--31.46 mi^2.

PERIOD OF RECORD.--October 1979 to July 1983, January 1984 to September 1986 (discontinued). Miscellaneous measurements made at different sites and datums since 1958.

GAGE.--Nonrecording gage, reference mark on bridge and crest-stage gage. Elevation of gage is 2,300 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 11 to Dec. 24, Dec. 28, Jan. 1-3, 10-13, 16-26, 28. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--5 years (water years 1980-82, 1985-86), 18.6 ft^3/s, 8.03 in./yr, 13,480 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 319 ft^3/s Feb. 20, 1982, gage height, 6.03 ft; minimum observed discharge, 0.22 ft^3/s Aug. 26, 27, 1986, gage height, 1.32 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 97 ft^3/s Feb. 24, gage height, 4.36 ft; minimum observed discharge, 0.22 ft^3/s Aug. 26, 27, gage height, 1.32 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 24 to Mar. 16, Mar. 24-31, Sept. 23-30;
stage-discharge relation affected by ice Nov. 11 to Dec. 24, Dec. 28, Jan. 1-3, 16-26, 28)

1.3	.19	1.8	4.2
1.4	.52	2.0	7.7
1.5	1.0	2.5	21
1.6	1.8	3.0	40
1.7	2.8	4.0	89

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	3.4	3.0	2.1	18	36	39	21	20	6.8	1.3	.37
2	2.3	3.2	3.0	2.0	36	78	36	20	19	6.8	1.2	.76
3	2.2	3.2	3.1	2.0	16	78	34	25	17	6.5	.99	.52
4	2.2	9.9	3.2	2.0	9.9	75	31	26	17	7.5	.87	.41
5	2.2	8.7	3.2	2.0	8.5	74	29	24	19	6.5	.82	.57
6	2.4	6.7	3.2	2.0	9.2	72	29	23	19	6.3	.71	.82
7	3.4	5.2	3.2	1.9	6.7	76	28	22	16	5.7	.71	.82
8	2.6	4.9	3.2	2.0	4.4	63	28	22	16	5.7	.57	.82
9	2.3	4.8	3.1	2.0	4.8	76	27	22	16	5.4	.61	.87
10	2.6	3.6	3.0	2.1	2.4	71	26	21	14	5.2	.66	1.0
11	2.6	3.2	2.8	2.1	3.1	61	26	21	13	6.5	.71	1.0
12	3.2	3.2	2.7	2.1	3.1	55	27	20	13	5.7	.71	1.1
13	3.1	3.3	2.6	2.1	3.1	50	25	38	13	5.2	.82	1.1
14	2.8	3.4	2.6	2.0	2.8	46	23	25	12	5.1	.76	1.1
15	2.7	3.4	2.7	2.1	4.8	41	22	22	12	4.3	.71	1.1
16	2.7	3.5	2.7	2.1	25	40	22	22	12	3.2	.66	1.1
17	2.7	3.5	2.8	2.2	13	35	23	21	12	2.7	.57	1.2
18	2.5	3.5	2.9	2.2	7.7	32	22	20	12	2.5	.52	5.6
19	2.7	3.5	3.0	2.3	4.4	31	21	20	12	2.2	.34	1.8
20	2.9	3.4	3.0	2.4	4.4	30	20	21	12	2.7	.27	1.5
21	2.8	3.4	2.9	2.4	4.3	29	20	24	11	2.3	.27	1.5
22	4.2	3.3	2.8	2.4	3.4	30	21	22	9.7	2.3	.34	1.5
23	4.0	3.3	2.7	2.4	4.0	30	21	21	9.7	2.2	.44	46
24	3.9	3.2	2.6	2.5	60	64	20	21	9.0	2.0	.48	38
25	12	3.1	2.6	2.5	75	46	25	21	8.5	1.7	.41	34
26	5.1	3.0	2.5	2.6	68	45	22	21	7.9	1.7	.22	32
27	3.9	3.0	2.4	2.6	47	43	26	21	7.9	1.8	.22	32
28	3.2	3.0	2.5	2.5	38	43	27	21	7.7	1.4	.24	41
29	3.1	2.9	2.2	2.6	---	43	26	21	7.7	1.0	.30	37
30	2.9	2.9	2.1	5.1	---	44	23	20	7.0	.93	.30	16
31	2.8	---	2.1	25	---	40	---	20	---	1.3	.30	---
TOTAL	100.3	118.6	86.4	94.3	487.0	1575	769	689	382.1	121.13	18.03	302.56
MEAN	3.24	3.95	2.79	3.04	17.4	50.8	25.6	22.2	12.7	3.91	.58	10.1
MAX	12	9.9	3.2	25	75	78	39	38	20	7.5	1.3	46
MIN	2.2	2.9	2.1	1.9	2.4	29	20	20	7.0	.93	.22	.37
AC-FT	199	235	171	187	966	3120	1530	1370	758	240	36	600

CAL YR 1985	TOTAL	4074.5	MEAN	11.2	MAX	53	MIN	1.2	AC-FT	8080
WTR YR 1986	TOTAL	4743.42	MEAN	13.0	MAX	78	MIN	.22	AC-FT	9410

12393000 PRIEST LAKE AT OUTLET, NEAR COOLIN, ID

LOCATION.--Lat 48°29'36", long 116°52'58", in NE¼NE¼SW¼ sec. 5, T. 59 N., R. 4 W., Bonner County, Hydrologic Unit 17010215, 0.5 mi east of outlet, 1.8 mi northwest of Coolin, and 44 mi upstream from mouth of Priest River.

DRAINAGE AREA.--572 mi^2.

PERIOD OF RECORD.--June 1911 to September 1913 (fragmentary gage-height records at Coolin, published as part of records for "Priest River at outlet of Priest Lake, at Coolin"), April 1928 to July 1950 (gage-height record only), August 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,434.64 ft above National Geodetic Vertical Datum of 1929. June 18, 1911, to Sept. 30, 1913, nonrecording gages at Coolin at different datums. Apr. 21, 1928, to Oct. 18, 1939, nonrecording gage at site 400 ft north of lake outlet at present datum.

REMARKS.--Flow from Priest Lake is regulated to hold lake at heights desirable for recreation interests during summer months and storage is released for power use downstream during winter months. Storage began Aug. 9, 1950. Prior to Aug. 9, 1950, some regulation resulted from logging operations in the outlet channel. Figures given herein represent contents above gage height of about -2 ft. Capacity table is based on area measured from Priest Lake quadrangle (scale 1:250,000) and reconnaissance survey of marginal areas and is only approximate. New dam completed Nov. 27, 1978. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.68 ft June 20, 1974, contents, 207,500 acre-ft; minimum, -0.46 ft Jan. 5, 6, 1977, contents, 37,500 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.52 ft June 1, contents, 131,600 acre-ft; minimum, 0.00 ft Dec. 15, 16, contents, 48,300 acre-ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

0.0	48,300
2.0	95,500
5.0	167,000

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	1.08	.17	.27	.30	.42	1.23	1.85	3.52	3.00	2.99	3.09
2	2.95	1.08	.19	.28	.31	.45	1.25	1.84	3.50	3.01	3.00	3.10
3	2.95	1.08	.17	.30	.34	.47	1.27	1.88	3.45	2.98	3.01	3.10
4	2.96	1.18	.15	.30	.32	.50	1.28	1.93	3.40	3.01	3.01	3.08
5	2.96	1.22	.14	.32	.33	.54	1.29	1.95	3.32	3.02	3.02	3.06
6	3.03	1.21	.14	.33	.31	.58	1.30	1.96	3.28	3.02	3.02	3.02
7	2.97	1.20	.12	.32	.30	.69	1.33	1.97	3.26	3.02	3.02	2.99
8	2.92	1.17	.11	.32	.28	.79	1.33	1.98	3.24	3.01	3.03	2.98
9	2.81	1.12	.10	.32	.28	.85	1.38	1.99	3.22	3.04	3.04	2.98
10	2.75	1.12	.08	.30	.27	.88	1.43	2.01	3.17	3.05	3.04	2.97
11	2.67	1.19	.05	.29	.25	.93	1.48	2.02	3.12	3.09	3.03	2.97
12	2.56	1.27	.04	.26	.23	.95	1.52	2.01	3.07	3.11	3.03	2.99
13	2.44	1.10	.03	.24	.22	.98	1.53	2.04	3.06	3.12	3.04	2.96
14	2.33	1.00	.01	.23	.20	.98	1.51	2.05	3.05	3.09	3.03	2.96
15	2.19	.90	.00	.21	.31	1.00	1.53	2.04	3.08	3.06	3.03	2.97
16	2.06	.80	.00	.23	.29	.99	1.53	2.01	3.10	3.04	3.02	2.98
17	1.93	.76	.04	.23	.30	.98	1.53	1.99	3.09	3.06	3.02	2.98
18	1.80	.72	.04	.28	.28	.97	1.52	2.03	3.08	3.06	3.01	2.98
19	1.67	.67	.08	.29	.27	.97	1.50	2.11	3.07	3.04	3.02	2.98
20	1.55	.63	.10	.29	.25	.95	1.50	2.28	3.10	3.04	3.02	2.98
21	1.46	.63	.13	.28	.24	.95	1.49	2.51	3.07	3.02	3.02	2.97
22	1.36	.52	.13	.27	.24	.97	1.69	2.66	3.06	3.03	3.01	2.97
23	1.30	.47	.15	.30	.25	.99	1.81	2.71	3.04	3.04	3.01	3.04
24	1.26	.43	.17	.28	.26	1.03	1.87	2.72	3.01	3.04	3.02	3.11
25	1.25	.40	.18	.27	.28	1.04	1.91	2.79	2.98	3.07	3.01	3.11
26	1.23	.36	.18	.24	.35	1.05	1.91	2.94	2.98	3.08	3.02	3.11
27	1.17	.33	.20	.26	.37	1.05	1.93	3.11	2.98	3.05	3.02	3.17
28	1.17	.28	.20	.25	.39	1.05	1.91	3.27	2.99	3.03	3.01	3.16
29	1.13	.27	.20	.25	---	1.07	1.91	3.38	2.99	3.01	3.02	3.19
30	1.07	.20	.22	.28	---	1.15	1.87	3.46	3.00	3.00	3.04	3.21
31	1.12	---	.23	.28	---	1.20	---	3.51	---	3.00	3.06	---
MEAN	2.06	.81	.12	.28	.29	.88	1.55	2.35	3.14	3.04	3.02	3.04
MAX	3.03	1.27	.23	.33	.39	1.20	1.93	3.51	3.52	3.12	3.06	3.21
MIN	1.07	.20	.00	.21	.20	.42	1.23	1.84	2.98	2.98	2.99	2.96
(†)	74700	53000	53700	54900	57500	76600	92400	131400	119300	119300	120700	124300
(‡)	-43100	-21700	700	1200	2600	19100	15800	39000	-12100	0	1400	3600

CAL YR 1985.......(‡) 1200
WTR YR 1986.......(‡) 6500

(†) Contents, in acre-feet, at end of month.
(‡) Change in contents, in acre-feet.

12394000 PRIEST RIVER NEAR COOLIN, ID

LOCATION.--Lat 48°27'07", long 116°53'58", in SE¼SW¼NE¼ sec. 19, T. 59 N., R. 4 W., Bonner County, Hydrologic Unit 17010215, in Dickensheet campground, on left bank 190 ft downstream from Dickensheet Bridge, 2.5 mi downstream from Binarch Creek, 3 mi southwest of Coolin, 5.2 mi downstream from outlet of Priest Lake, and at mile 38.8.

DRAINAGE AREA.--611 mi^2.

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,338.24 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 23, 1949, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 5-26, Nov. 29 to Dec. 1, Dec. 22-25, Dec. 30 to Jan. 2, Jan. 4-5, 7-8. Records good except for estimated daily discharges, which are fair. No diversion above station. Flow partly regulated by Priest Lake (sta 12393000) 5.2 mi upstream.

AVERAGE DISCHARGE.--38 years, 1,302 ft^3/s, 28.94 in./yr, 943,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,900 ft^3/s June 18, 1974, gage height, 8.44 ft; minimum observed, 26 ft^3/s Sept. 25, 1958, gage height, 1.16 ft, but may have been less Sept. 11, 1953, Sept. 24, 1958, when stage was below intake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 29, 1948, reached a stage of 8.40 ft, present site and datum, discharge, 8,670 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,430 ft^3/s June 1, gage height, 5.89 ft; minimum daily, 71 ft^3/s Dec. 21.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 16 to June 27; stage-discharge relation
affected by ice Nov. 29 to Dec. 1, Dec. 22-25, Dec. 30 to Jan. 2, Jan. 4-5, 7-8)

1.5	63	3.5	980
1.7	97	4.0	1430
2.0	161	5.0	2710
2.5	326	6.0	4410
3.0	590	7.0	6310

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	1250	610	171	523	566	1560	2260	4410	674	403	100
2	138	1250	594	180	524	568	1580	2240	4390	676	308	183
3	138	1250	602	195	528	572	1600	2270	4350	668	247	239
4	136	1320	590	220	536	584	1620	2320	4290	669	243	241
5	136	1350	581	250	532	590	1620	2360	4020	668	241	245
6	137	1320	581	311	529	590	1630	2380	3370	655	241	245
7	397	1300	581	330	524	605	1630	2390	2840	655	205	247
8	755	1250	568	355	524	725	1650	2410	2490	651	182	174
9	932	1200	559	394	524	1120	1680	2430	2490	648	182	119
10	1180	1150	546	470	523	1170	1720	2460	2530	647	181	117
11	1400	1080	536	506	518	1200	1780	2470	2510	641	181	115
12	1540	1040	524	501	518	1240	1860	2460	2000	642	180	110
13	1530	1020	507	495	514	1250	1870	2480	1470	641	178	109
14	1760	1000	495	494	513	1270	1870	2510	1110	756	178	108
15	2030	990	491	494	525	1270	1880	2500	992	824	178	106
16	2060	990	234	499	530	1310	1880	2480	1110	823	178	108
17	2100	970	78	500	528	1330	1880	2460	1080	819	136	106
18	1970	960	75	510	530	1330	1870	2470	1030	816	101	108
19	1900	956	73	512	530	1320	1860	2290	1030	809	99	108
20	1790	920	72	512	532	1310	1840	1530	1040	679	99	108
21	1680	870	71	512	527	1310	1840	1580	1030	616	98	108
22	1590	850	74	512	530	1320	1950	2310	1030	536	99	108
23	1510	840	82	518	528	1320	2150	2720	1020	495	99	110
24	1460	830	95	518	530	1380	2240	2650	1020	491	99	111
25	1430	800	108	518	536	1400	2300	2480	1020	489	99	175
26	1420	750	125	517	548	1400	2330	2500	815	488	99	225
27	1400	707	129	513	554	1400	2340	3110	883	594	99	227
28	1360	691	150	512	560	1410	2330	3640	675	655	99	390
29	1330	660	155	512	---	1430	2330	4040	673	649	99	867
30	1290	630	159	518	---	1470	2310	4270	674	533	99	1020
31	1250	---	165	518	---	1530	---	4350	---	429	99	---
TOTAL	37890	30184	10210	13567	14818	35288	56980	80800	57192	20036	5029	6139
MEAN	1222	1006	329	438	529	1138	1899	2606	1906	646	162	205
MAX	2100	1350	610	518	560	1530	2340	4350	4410	824	403	1020
MIN	136	630	71	171	513	566	1560	1530	673	429	98	100
AC-FT	75150	59870	20250	26910	29390	69990	113000	160300	113400	39740	9980	12180

CAL YR 1985	TOTAL	345906	MEAN	948	MAX	5060	MIN	71	AC-FT	686100
WTR YR 1986	TOTAL	368133	MEAN	1009	MAX	4410	MIN	71	AC-FT	730200

12395000 PRIEST RIVER NEAR PRIEST RIVER, ID

LOCATION.--Lat 48°12'31", long 116°54'49", in NW¼SW¼NW¼ sec. 12, T. 56 N., R. 5 W., Bonner County, Hydrologic Unit 17010215, on right bank 500 ft downstream from Saddler Creek, 0.4 mi downstream from Lower West Branch, 2.7 mi north of Priest River, and at mile 3.8.

DRAINAGE AREA.--902 mi^2.

PERIOD OF RECORD.--June 1903 to April 1905, November 1910 to April 1911, May to December 1923, February 1929 to current year. Prior to October 1930, published as "at Priest River."

REVISED RECORDS.--WSP 572: 1903-5.

GAGE.--Water-stage recorder. Elevation of gage is 2,090 ft above National Geodetic Vertical Datum of 1929, from river-profile map. Prior to May 15, 1929, and Sept. 18, 1929, to Apr. 28, 1930, nonrecording gages at site 3 mi downstream at elevation of about 40 ft lower. June 4 to Sept. 17, 1929, and Apr. 29 to Sept. 11, 1930, nonrecording gages at or near present site at present datum.

REMARKS.-- Estimated daily discharges: Oct. 1-3, Dec. 20-24, 26-30. Records good. Some regulation on tributaries and, since Aug. 9, 1950, flow partly regulated by Priest Lake (see sta 12393000).

AVERAGE DISCHARGE.--58 years (1904, 1930-86), 1,671 ft^3/s, 25.16 in./yr, 1,211,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,500 ft^3/s May 29, 30, 1948; maximum gage height, 8.97 ft May 29, 1948; minimum discharge, 150 ft^3/s Nov. 29, 1979, gage height, 0.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,530 ft^3/s June 1, gage height, 5.20 ft; minimum daily, 196 ft^3/s Aug. 28 to Sept. 1.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

0.5	180	3.0	1960
1.0	415	4.0	3030
1.5	715	5.0	4280
2.0	1075	6.0	5640

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	1320	776	318	758	985	2440	2760	4510	786	550	205
2	245	1400	859	325	786	1020	2380	2720	4490	789	542	220
3	240	1480	919	355	782	1040	2340	2790	4420	795	418	309
4	240	1480	942	348	774	1050	2320	2860	4360	797	395	347
5	236	1850	884	401	769	1080	2300	2940	4220	808	389	342
6	236	1650	830	533	740	1390	2280	2900	3790	804	382	342
7	279	1650	828	576	715	1280	2270	2890	3180	787	378	343
8	794	1560	827	646	731	1710	2280	2910	2860	775	325	346
9	794	1560	856	669	717	2050	2320	2920	2650	776	306	260
10	1250	1480	788	705	703	2120	2360	2940	2720	791	303	221
11	1250	1310	810	832	682	2060	2390	2950	2670	817	299	218
12	1590	1220	793	785	690	2070	2510	2920	2480	794	293	213
13	1590	1140	780	749	698	2050	2500	2970	1900	787	292	211
14	1590	1140	791	743	687	2050	2450	2970	1460	785	290	213
15	1870	1140	780	740	613	1980	2420	2940	1180	849	288	215
16	2170	1210	767	759	726	1960	2470	2900	1190	956	288	220
17	1970	1210	404	787	753	1960	2450	2860	1300	960	284	222
18	2170	1140	305	787	752	1940	2420	2860	1210	956	239	230
19	1970	1150	280	813	777	1890	2370	2890	1210	941	205	240
20	1870	1120	280	810	720	1900	2350	2240	1210	914	201	228
21	1870	1080	245	704	726	1940	2340	2110	1210	745	200	221
22	1670	1050	240	676	683	1990	2440	2400	1190	731	198	218
23	1670	1010	240	693	692	1960	2750	3150	1170	627	200	221
24	1580	1060	240	670	729	2360	2800	3150	1170	646	200	308
25	1660	1010	250	655	843	2410	2860	2910	1150	633	200	319
26	1570	945	255	640	990	2280	2880	2910	1120	629	199	341
27	1570	922	260	665	991	2200	2890	3190	823	634	197	380
28	1400	801	265	654	984	2250	2910	3870	807	779	196	402
29	1480	820	270	647	---	2330	2850	4230	819	781	196	677
30	1230	929	280	696	---	2430	2830	4460	811	767	196	929
31	1230	---	281	731	---	2510	---	4500	---	623	196	---
TOTAL	39534	37027	17315	20112	21211	57945	75170	94000	63280	24372	8847	9161
MEAN	1275	1234	559	649	758	1869	2506	3032	2109	786	285	305
MAX	2170	1850	942	832	991	2510	2910	4500	4510	960	550	929
MIN	236	801	240	318	613	985	2270	2110	807	623	196	205
AC-FT	78420	73440	34340	39890	42070	114900	149100	186400	125500	48340	17550	18170

CAL YR 1985	TOTAL	453991	MEAN	1244	MAX	5710	MIN	201	AC-FT	900500
WTR YR 1986	TOTAL	467974	MEAN	1282	MAX	4510	MIN	196	AC-FT	928200

12395500 PEND OREILLE RIVER AT NEWPORT, WA

LOCATION.--Lat 48°10'56", long 117°02'00", in SE¼SE¼SW¼ sec. 24, T.56 N., R.6 W. (Boise Meridien), Bonner County, Hydrologic Unit 17010216, on left bank at Newport, 0.2 mi east mi upstream from bridge on U.S. Highway 2, 0.2 mi east of Idaho-Washington State line, 1.6 mi downstream from Albeni Falls Dam, and at mile 88.5.

DRAINAGE AREA.--24,200 mi^2, approximately.

PERIOD OF RECORD.--June 1903 to September 1941, October 1952 to current year. Prior to October 1921, published as "Clark Fork at Newport, Wash.," October 1921 to September 1937, as "Clark Fork at Priest River, Idaho," and October 1937 to September 1941, as "Pend Oreille River at Priest River, Idaho."

REVISED RECORDS.--WSP 532: 1903-11.

GAGE.--Water-stage recorder. Datum of gage is 1,999.7 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 22, 1928, nonrecording gages at Priest River, Newport, or Metaline Falls at various datums (see description, WSP 532, p. 92). Sept. 22, 1928, to Sept. 30, 1935, at datum 40.44 ft higher, and Oct. 1, 1935, to Sept. 30, 1941, water-stage recorder at datum 0.30 ft higher. Since December 1952, auxiliary water-stage recorder 2.74 mi downstream from base gage.

REMARKS.--Estimated daily discharges: Oct. 3-4 and Dec. 9-13. Records good. Flow regulated at Albeni Falls Dam and affected by storage in Pend Oreille Lake (see sta 12392500), Flathead Lake, Hungry Horse Reservoir, and several smaller reservoirs. Diversions above station for irrigation of about 354,000 acres.

AVERAGE DISCHARGE.--72 years (1904-41, 1953-86), 25,920 ft^3/s, 18,780,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136,000 ft^3/s June 15, 1913, June 21, 1933, June 12, 1972; minimum, 1,280 ft^3/s Sept. 1, 1961.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1894 reached a stage of about 64.0 ft present site and datum, discharge, about 200,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74,100 ft^3/s June 2, maximum gage height, 44.20 ft June 4; minimum discharge, 3,270 ft^3/s Oct. 3, gage height, 28.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17200	29800	18900	15100	18900	27200	38200	28900	72900	23900	5880	8420
2	8470	30100	21100	14600	19100	24700	41100	30000	71600	23900	3790	9390
3	4080	30300	21600	16800	19200	22900	41900	30200	71100	22900	4500	10900
4	4050	30400	20900	17500	19500	20300	41700	30300	71600	18300	8830	12100
5	4500	30600	20600	17500	19500	20100	41500	32700	70900	17300	12200	14200
6	4230	30700	19800	18500	21500	20200	41200	33500	71600	17300	10100	15600
7	19700	30700	17100	18600	22800	21900	35300	33600	71100	17400	6370	15300
8	20900	30700	15900	17500	22800	27300	25400	33500	71400	18500	6520	15500
9	24700	30700	15400	17000	21300	30100	23900	30600	63400	19900	7790	15400
10	24700	30800	19000	16500	17100	32500	27000	28000	54800	18500	8860	16600
11	24100	33500	20200	15500	15400	35900	31300	28000	52800	15700	8830	18000
12	23600	32400	20300	15800	15300	36100	37000	28600	48000	14100	8950	17800
13	23500	29600	21900	15800	15300	36300	39600	27700	39200	13300	8380	17600
14	23600	29600	19000	16800	16500	36000	40200	26000	35500	14700	8990	17600
15	24800	29300	18800	17500	18100	36100	38300	25500	35700	19400	8950	17600
16	26500	29300	16800	19300	19500	36100	35300	29000	40100	19200	8450	17500
17	27800	29700	18200	20600	20600	36500	33400	27700	42400	15500	7950	17600
18	28900	29400	19100	18800	21900	36400	31400	25800	41300	15300	7950	17600
19	29100	29500	21300	17000	20400	36500	34300	23700	35800	17700	8200	17600
20	29200	29400	20800	18100	18200	32500	34100	18000	31400	20700	8280	17400
21	28900	29500	15900	19000	18200	29900	32000	20700	31200	21800	8610	17500
22	28800	29400	10600	18100	16800	30000	27900	25700	31100	17700	9210	17500
23	28800	25100	13400	18300	19600	30100	29900	32100	28300	14300	11100	19100
24	29900	19600	16100	18400	22100	29900	33000	37900	26300	14200	10900	21600
25	30700	15500	13400	18000	22000	30100	27200	40400	25100	14400	11200	23300
26	30700	14100	9530	15200	23800	30000	25200	41300	23700	14400	10400	24100
27	30400	13900	11100	15100	29100	29800	37000	43200	19100	14300	9260	24100
28	30300	12200	12600	19000	29400	29800	37400	47200	16000	14100	8930	24300
29	30400	9900	15100	22100	---	29800	33500	54100	20900	12300	8970	24100
30	24300	25500	16700	22900	---	29900	30600	65400	24300	10600	8830	26100
31	29600	---	15500	20700	---	33500	---	72300	---	8690	8420	---
TOTAL	707430	801200	534630	548000	563900	938400	1025800	1052600	1339600	520290	265600	531410
MEAN	22820	26710	17250	17680	20140	30270	34190	33950	44650	16780	8568	17710
MAX	30700	33500	21900	22900	29400	36500	41900	72300	72900	23900	12200	26100
MIN	4050	9900	9530	14600	15300	20100	23900	18000	16000	8690	3790	8420
AC-FT	1403000	1589000	1060000	1087000	1118000	1861000	2035000	2088000	2657000	1032000	526800	1054000

CAL YR 1985 TOTAL 8080140 MEAN 22140 MAX 63500 MIN 4050 AC-FT 16027000
WTR YR 1986 TOTAL 8828880 MEAN 24190 MAX 72900 MIN 3790 AC-FT 17512000

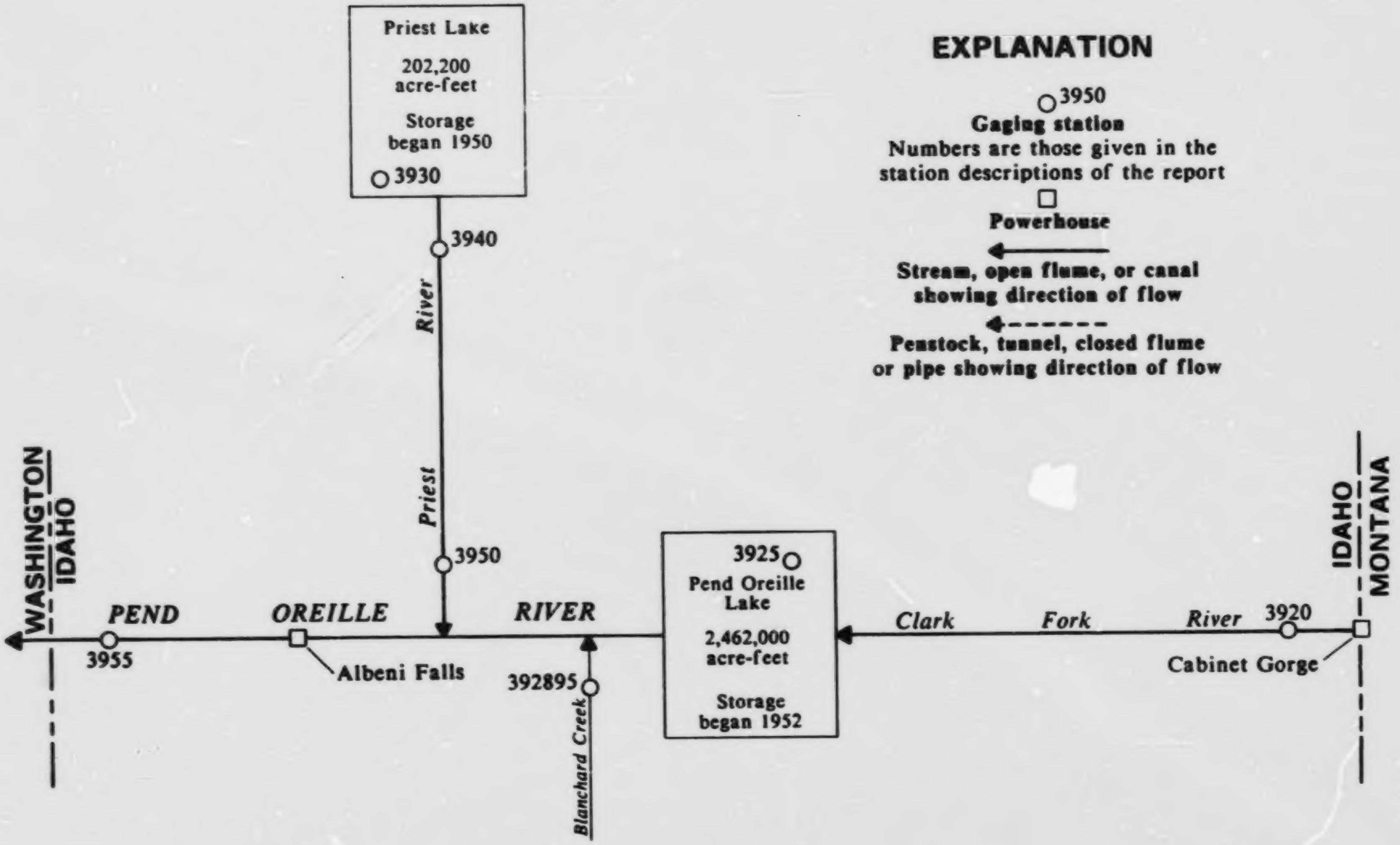

Priest Lake
202,200 acre-feet
Storage began 1950
3930
3940
Priest River
3950
EXPLANATION
3950
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow
WASHINGTON
IDAHO
PEND OREILLE RIVER
3955
Albeni Falls
392895
Blanchard Creek
3925
Pend Oreille Lake
2,462,000 acre-feet
Storage began 1952
Clark Fork River
3920
Cabinet Gorge
IDAHO
MONTANA

Figure 14.--Gaging stations in Pend Oreille River basin.

12411000 COEUR D'ALENE RIVER ABOVE SHOSHONE CREEK, NEAR PRICHARD, ID

LOCATION.--Lat 47°42'26", long 115°58'36", in NE¼SE¼SW¼ sec. 5, T. 50 N., R. 4 E., Shoshone County, Hydrologic Unit 17010301, in Coeur d'Alene National Forest, on left bank at Shoshone Creek Ranger Station, 0.1 mi downstream from Uranus Creek, 0.5 mi upstream from Shoshone Creek, 3.5 mi north of Prichard, and 200.0 mi upstream from mouth of Spokane River.

DRAINAGE AREA.--335 mi^2.

PERIOD OF RECORD.--December 1950 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,485 ft above National Geodetic Vertical Datum of 1929. From river-profile map.

REMARKS.--Estimated daily discharges: Nov. 24 to Feb. 25. Records good except for estimated daily discharges, which are poor. No regulation or diversions above station.

AVERAGE DISCHARGE.--35 years (1951-86), 714 ft^3/s, 28.95 in./yr, 517,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,000 ft^3/s Jan. 15, 1974, gage height, 11.60 ft; minimum discharge, 34 ft^3/s Dec. 26, 1952, gage height, 0.69 ft; minimum gage height, 0.53 ft Aug. 28, 29, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	1900	ice jam	*7.00	Mar. 31	0800	3810	4.64
Mar. 8	1830	*3990	4.75				

Minimum discharge, 67 ft^3/s Aug. 28, 29, gage height, 0.53 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 24 to Feb. 25)

0.5	57	2.0	775
.7	106	3.0	1660
1.0	213	4.0	2870
1.4	398	5.5	5340

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	266	155	138	1040	2230	2990	873	600	188	103	103
2	94	607	160	148	1310	2280	2330	850	559	179	100	129
3	94	867	160	163	1490	2400	1910	1040	522	178	98	106
4	92	1140	165	167	1390	2250	1710	1220	494	185	95	93
5	90	1790	165	147	1170	2090	1590	1320	480	198	93	86
6	92	1410	160	182	958	1980	1540	1290	448	186	92	81
7	107	1080	155	199	750	2150	1520	1220	417	172	91	79
8	102	935	145	200	634	3620	1550	1140	402	164	89	80
9	94	817	125	201	590	3540	1720	1080	392	163	88	81
10	92	652	115	204	550	2880	1790	1030	365	164	86	86
11	101	563	105	206	510	2390	1680	971	344	212	85	87
12	131	541	105	203	480	2030	1570	902	328	188	83	84
13	119	482	105	186	460	1820	1360	1050	314	166	84	82
14	109	448	105	163	450	1680	1200	1130	305	155	84	91
15	118	470	110	185	450	1530	1100	1120	310	147	83	94
16	115	439	115	207	1200	1420	1170	1060	291	149	80	99
17	108	375	120	245	2750	1330	1140	989	280	184	79	93
18	103	330	125	260	2150	1230	1110	951	271	184	77	102
19	99	303	130	304	1550	1160	1060	923	272	154	77	113
20	99	301	135	451	1130	1130	1010	955	257	143	75	98
21	102	287	131	487	1050	1180	1050	1100	275	135	74	91
22	124	221	123	413	1000	1280	1270	1090	251	131	74	87
23	226	181	122	406	1050	1320	1460	1030	235	130	74	84
24	297	170	114	384	1600	1490	1320	983	224	125	74	93
25	821	155	111	351	2460	1630	1170	929	215	119	73	107
26	637	150	120	302	3480	1630	1040	893	209	117	71	107
27	454	150	132	291	3110	1550	965	870	207	116	69	119
28	377	150	134	330	2490	1700	1020	826	200	113	68	139
29	327	150	130	334	---	2380	954	761	199	109	69	169
30	290	150	135	436	---	2980	915	698	198	106	90	254
31	265	---	135	745	---	3670	---	646	---	104	116	---
TOTAL	5972	15580	4047	8638	37252	61950	42214	30940	9864	4764	2594	3117
MEAN	193	519	131	279	1330	1998	1407	998	329	154	83.7	104
MAX	821	1790	165	745	3480	3670	2990	1320	600	212	116	254
MIN	90	150	105	138	450	1130	915	646	198	104	68	79
CFSM	.58	1.55	.39	.83	3.97	5.96	4.20	2.98	.98	.46	.25	.31
IN.	.66	1.73	.45	.96	4.14	6.88	4.69	3.44	1.10	.53	.29	.35
AC-FT	11850	30900	8030	17130	73890	122900	83730	61370	19570	9450	5150	6180

CAL YR 1985 TOTAL 217775 MEAN 597 MAX 4810 MIN 78 CFSM 1.78 IN. 24.18 AC-FT 432000
WTR YR 1986 TOTAL 226932 MEAN 622 MAX 3670 MIN 68 CFSM 1.86 IN. 25.20 AC-FT 450100

12413000 COEUR D'ALENE RIVER AT ENAVILLE, ID

LOCATION.--Lat 47°34'21", long 116°15'11", in NW¼NW¼NE¼ sec.30, T.49 N., R.2 E., Shoshone County, Hydrologic Unit 17010301, on right bank 800 ft upstream from highway bridge, 1.1 mi upstream from South Fork, 3.5 mi downstream from North Fork, and 168.9 mi upstream from mouth of Spokane River.

DRAINAGE AREA.--895 mi^2.

PERIOD OF RECORD.--March 1911 to April 1913 (fragmentary), October 1939 to current year. Published as North Fork of Coeur d'Alene River at Enaville 1911-13.

REVISED RECORDS.--WSP 1396: 1945.

GAGE.--Water-stage recorder. Datum of gage is 2,100.00 ft above National Geodetic Vertical Datum of 1929. Mar. 3, 1911, to Apr. 12, 1913, nonrecording gage at site 0.2 mi downstream at different datum. Oct. 18 to Dec. 22, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Nov. 26 to Dec. 5, Dec. 12-18, 30. Records good. No appreciable regulation or diversion above station.

AVERAGE DISCHARGE.--47 years (1939-86), 1,919 ft^3/s, 29.12 in./yr, 1,390,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,000 ft^3/s Jan. 16, 1974, gage height, 81.32 ft; minimum, 95 ft^3/s Nov. 30, 1979, gage height, 60.10 ft, Dec. 26, 1952.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1933 reached a stage of 79.47 ft, and a flood in April 1938 reached a stage of 78.16 ft, from local information concerning high-water marks.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 2o	1500	*13300	*69.90	Mar. 31	1200	9690	68.29
Mar. 8	2030	10900	68.85				

Minimum discharge, 215 ft^3/s Aug. 28, 29, 30, gage height, 61.75 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 26 to Dec. 5, Dec. 12-18, 30)

61.7	207	63.0	865
62.0	305	64.0	1910
62.5	533	66.0	5020
		68.5	10100

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	665	405	345	2240	7400	7690	2170	1830	552	328	320
2	290	1480	415	365	2800	7450	6310	2110	1660	536	320	327
3	286	2310	425	372	3030	7390	5100	2440	1520	526	315	327
4	280	3310	445	357	2740	7130	4450	3020	1400	529	307	289
5	274	5240	490	328	2460	6470	4070	3480	1350	561	299	265
6	274	4310	495	357	2160	6060	3900	3520	1240	552	294	250
7	294	3440	487	354	1850	6390	3830	3360	1130	522	288	242
8	300	2900	476	352	1600	9810	3860	3130	1070	500	280	239
9	285	2340	445	352	1530	9880	4160	2970	1020	488	274	239
10	273	1920	395	353	1430	7450	4330	2830	966	481	269	241
11	277	1580	327	360	1230	6880	4070	2650	904	542	267	248
12	311	1280	315	364	1160	6010	3860	2450	860	556	259	247
13	326	1140	315	355	1090	5250	3490	2710	825	508	259	241
14	310	973	315	336	1000	4740	3060	3120	796	471	260	253
15	305	883	315	330	1030	4230	2780	3130	811	448	256	266
16	305	939	325	359	1840	3910	2880	2940	771	437	251	269
17	302	870	340	428	3420	3720	2780	2670	741	487	248	268
18	292	793	360	468	2930	3510	2670	2520	713	516	244	274
19	284	716	389	514	2280	3330	2520	2470	713	476	238	295
20	283	672	389	737	1800	3250	2380	2660	697	437	236	294
21	282	646	385	848	1670	3450	2400	3090	693	416	230	271
22	305	586	370	814	1570	3680	2900	3170	683	402	230	258
23	443	582	344	795	1470	3750	3590	2870	643	396	230	249
24	553	579	332	784	4390	4150	3410	2650	620	388	227	266
25	908	535	310	746	6800	4480	3020	2470	605	375	227	295
26	924	480	336	690	9500	4390	2650	2470	591	367	224	301
27	924	450	353	657	9180	4130	2410	2660	589	362	221	312
28	921	435	358	663	7880	4570	2580	2660	577	351	218	369
29	820	420	327	677	---	6350	2390	2470	573	343	215	441
30	723	405	320	885	---	7910	2270	2230	570	335	226	555
31	678	---	341	1720	---	9000	---	2020	---	330	311	---
TOTAL	13322	42879	11644	17075	82080	176120	105810	85110	27161	14190	8051	8711
MEAN	430	1429	376	551	2931	5681	3527	2745	905	458	260	290
MAX	924	5240	495	1720	9500	9880	7690	3520	1830	561	328	555
MIN	273	405	310	328	1000	3250	2270	2020	570	330	215	239
CFSM	.48	1.60	.42	.62	3.27	6.35	3.94	3.07	1.01	.51	.29	.32
IN.	.55	1.78	.48	.71	3.41	7.32	4.40	3.54	1.13	.59	.33	.36
AC-FT	26420	85050	23100	33870	162800	349300	209900	168800	53870	28150	15970	17280

CAL YR 1985 TOTAL 583879 MEAN 1600 MAX 11600 MIN 250 CFSM 1.79 IN. 24.27 AC-FT 1158000
WTR YR 1986 TOTAL 592153 MEAN 1622 MAX 9880 MIN 215 CFSM 1.81 IN. 24.61 AC-FT 1175000

12413140 PLACER CREEK AT WALLACE, ID

LOCATION.--Lat 47°27'50", long 115°56'10", in NE¼SW¼ sec. 34, T. 48 N., R. 4 E., Shoshone County, Hydrologic Unit 17010302, on right bank about 400 ft upstream from county road bridge, 0.3 mi downstream from West Fork, 0.4 mi south of Wallace city limits, and at mile 1.0.

DRAINAGE AREA.--14.9 mi^2.

PERIOD OF RECORD.--November 1967 to current year.

GAGE.--Water-stage recorder. Rock-filled gabion control since July 29, 1981. Elevation of gage is 2,840 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 22 to Dec. 4, Dec. 9-16, 20-30, Jan. 5-7. Records good. Water for town of Wallace is diverted above the station.

AVERAGE DISCHARGE.--18 years, 37.6 ft^3/s, 34.27 in./yr, 27,240 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,200 ft^3/s Jan. 15, 1974, gage height, 4.71 ft; minimum, 0.27 ft^3/s Jan. 28, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 23, 1964, estimated at 1,300 ft^3/s by Idaho Department of Highways on basis of observed depths in concrete flume downstream. Flood in December 1933 reported slightly higher than 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 175 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	0015	308	3.26	Mar. 7	2045	*391	*3.48
				Mar. 30	2230	219	3.06

Minimum discharge, 1.7 ft^3/s Sept. 15, 22, 23, gage height, 1.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	14	8.3	6.3	59	131	137	44	45	12	4.5	3.5
2	2.7	24	8.3	6.7	63	125	103	47	42	11	4.3	3.3
3	2.8	51	8.4	6.7	48	113	86	66	39	12	4.2	2.6
4	2.8	58	8.4	6.5	42	102	78	78	38	13	4.1	2.3
5	2.8	57	8.4	6.2	39	93	74	76	35	13	3.9	2.2
6	2.8	42	8.7	6.3	33	89	73	71	33	11	3.7	2.2
7	3.2	33	8.9	6.4	28	190	74	67	31	11	3.5	2.1
8	2.6	27	8.2	6.4	25	318	81	65	30	10	3.3	2.1
9	2.4	22	8.0	6.9	23	213	95	67	28	10	3.3	2.2
10	2.7	19	7.6	7.3	22	147	93	67	26	11	3.3	2.2
11	4.1	18	7.3	7.0	22	111	84	82	25	12	3.1	2.1
12	4.4	17	7.1	6.6	21	93	75	56	24	10	3.0	2.0
13	3.4	16	7.0	7.0	20	82	65	83	23	9.5	3.1	2.3
14	3.2	15	6.9	7.1	19	73	59	88	23	9.0	2.8	2.8
15	3.5	15	7.0	7.2	22	66	56	75	22	8.5	2.6	2.3
16	3.4	15	7.2	8.4	55	62	57	67	21	9.0	2.7	2.5
17	3.1	14	7.4	11	52	57	53	64	20	13	2.6	2.0
18	2.2	14	7.3	11	42	52	50	67	21	9.0	2.5	4.0
19	2.6	13	8.3	15	34	48	47	81	20	8.0	2.4	2.6
20	2.9	12	7.7	16	30	46	47	89	18	7.6	2.7	2.3
21	3.3	12	7.8	15	29	52	55	92	18	7.1	2.5	2.1
22	5.9	11	7.6	14	27	55	82	79	17	7.0	2.4	1.9
23	14	11	7.3	15	30	55	87	63	16	6.8	2.6	1.9
24	23	10	6.7	14	184	65	71	58	16	6.5	2.5	2.4
25	79	10	6.3	13	262	65	61	60	15	6.0	2.1	2.4
26	26	9.5	5.8	12	264	63	52	71	15	6.1	2.1	3.2
27	15	9.0	5.6	13	221	63	52	75	14	5.9	2.1	2.4
28	15	8.7	5.6	14	153	79	54	72	14	5.4	1.9	3.4
29	13	8.5	5.7	16	---	115	48	63	14	5.2	2.3	5.5
30	12	8.3	5.6	34	---	169	46	56	13	4.9	2.8	5.0
31	11	---	5.5	56	---	187	---	50	---	4.7	4.9	---
TOTAL	277.5	594.0	225.9	378.0	1869	3179	2095	2119	716	275.2	93.8	79.8
MEAN	8.95	19.8	7.29	12.2	66.8	103	69.8	68.4	23.9	8.88	3.03	2.66
MAX	79	58	8.9	56	264	318	137	92	45	13	4.9	5.5
MIN	2.2	8.3	5.5	6.2	19	46	46	44	13	4.7	1.9	1.9
CFSM	.60	1.33	.49	.82	4.48	6.91	4.68	4.59	1.60	.60	.20	.18
IN.	.69	1.48	.56	.94	4.67	7.94	5.23	5.29	1.79	.69	.23	.20
AC-FT	550	1180	448	750	3710	6310	4160	4200	1420	546	186	158

CAL YR 1985	TOTAL	11970.0	MEAN	32.8	MAX	259	MIN	2.2	CFSM	2.20	IN.	29.88	AC-FT	23740
WTR YR 1986	TOTAL	11902.2	MEAN	32.6	MAX	318	MIN	1.9	CFSM	2.19	IN.	29.72	AC-FT	23610

12413150 SOUTH FORK COEUR D'ALENE RIVER AT SILVERTON, ID

LOCATION.--Lat 47°29'29", long 115°57'12", in SW¼NW¼SE¼ sec. 21., T.48 N., R.4 E., Shoshone County, Hydrologic Unit 17010302, on upstream side of bridge at the off ramp of U.S. Highway I-90 at Silverton, 700 ft downstream from Lake Creek, and at mile 17.4.

DRAINAGE AREA.--108 mi². Area at site used prior to Sept. 1, 1976, 103 mi².

PERIOD OF RECORD.--November 1967 to current year.

GAGE.--Nonrecording and crest-stage gages. Datum of gage is 2,617.10 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Department of Transportation). Prior to Sept. 1, 1976, at site 1,100 ft upstream at different datum. September 1976 to June 7, 1978, at datum 1 ft higher.

REMARKS.--Estimated daily discharges: Oct. 10, Nov. 11, Nov. 20 to Dec. 7, Dec. 9-16, Dec. 23 to Jan. 14. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--18 years, 251 ft³/s, 31.56 in./yr, 181,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft³/s Jan. 16, 1974, gage height, 10.80 ft; minimum daily, 24 ft³/s Dec. 30, 1979; minimum gage height, 2.85 ft Oct. 7, 8, Dec. 31, 1974 (site and datum then in use).

EXTREMES FOR CURRENT YEAR.--Maximum observed discharge, 1,580 ft³/s May 28, gage height, 8.00 ft; minimum observed discharge, 27 ft³/s Aug. 16, gage height, 3.68 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 20-21, Dec. 4-7, 9-16, Dec. 23 to Jan 14.)

3.6	24	5.0	257
3.8	42	5.5	395
4.0	67	6.0	565
4.5	146	7.0	985
		8.0	1530

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	166	92	48	188	721	721	344	895	117	63	35
2	56	267	97	48	190	677	605	338	742	102	64	35
3	56	428	100	46	181	657	540	335	537	103	63	33
4	56	512	102	46	175	641	523	398	484	103	62	33
5	53	502	102	46	162	617	502	442	456	112	58	34
6	50	446	99	48	154	573	474	492	389	105	54	39
7	50	369	93	51	135	1060	467	492	360	100	53	39
8	53	307	84	55	124	944	453	506	296	102	52	41
9	53	316	76	57	125	818	446	484	270	98	48	42
10	52	294	69	56	129	717	456	492	252	95	44	42
11	50	245	60	55	140	737	460	470	240	102	45	42
12	50	208	55	53	136	665	470	453	252	97	41	42
13	56	192	50	52	125	645	453	464	221	80	42	44
14	56	168	49	50	136	446	428	481	214	77	33	39
15	53	173	50	58	142	407	401	488	190	75	30	41
16	50	148	51	60	136	398	383	478	201	76	27	41
17	56	144	55	71	133	383	360	460	173	72	34	42
18	50	127	63	77	138	392	335	526	190	76	45	42
19	50	118	76	83	146	375	335	653	181	73	33	44
20	56	110	108	110	164	369	386	645	173	75	31	46
21	69	102	67	91	154	366	395	685	164	72	33	46
22	83	96	53	89	162	360	526	709	156	69	45	48
23	87	93	48	88	305	369	581	745	152	69	33	48
24	161	91	47	83	717	378	498	785	146	72	32	52
25	419	90	46	85	823	383	512	886	138	62	31	52
26	291	90	46	142	1070	372	520	904	133	56	30	55
27	206	89	46	131	913	395	460	931	136	63	31	55
28	210	89	47	146	769	404	386	998	135	63	31	58
29	177	90	47	144	---	428	360	931	138	60	31	59
30	173	91	48	152	---	669	335	936	133	62	32	59
31	154	---	48	164	---	685	---	954	---	64	34	---
TOTAL	3112	6161	2074	2487	7872	17031	13771	18885	8154	2552	1285	1328
MEAN	100	205	66.9	80.2	281	549	459	609	272	82.3	41.5	44.3
MAX	419	512	108	164	1070	1060	721	998	895	117	64	59
MIN	50	89	46	46	124	360	335	335	133	56	27	33
CFSM	.93	1.90	.62	.74	2.60	5.08	4.25	5.64	2.52	.76	.38	.41
IN.	1.07	2.12	.71	.86	2.71	5.87	4.74	6.50	2.81	.88	.44	.46
AC-FT	6170	12220	4110	4930	15610	33780	27310	37460	16170	5060	2550	2630

CAL YR 1985	TOTAL	87538	MEAN	240	MAX	1420	MIN	33	CFSM	2.22	IN.	30.15	AC-FT	173600
WTR YR 1986	TOTAL	84712	MEAN	232	MAX	1070	MIN	27	CFSM	2.15	IN.	29.18	AC-FT	168000

12414200 MARBLE CREEK NEAR CALDER, ID

LOCATION.--Lat 47°13'38", long 116°01'09",in NW¼SW¼SE¼, sec. 24, T. 45 N., R. 3 E., Hydrologic Unit 17010304, in Shoshone County, on left bank 5 ft downstream from road fill of bridge abutment, 150 ft downstream from Boulder Creek, 2 mi upstream from mouth, 8 mi southeast of Calder, and 27 mi southeast of St. Maries.

DRAINAGE AREA.--138 mi^2.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,380 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 19, Dec. 29 to Jan. 1, Jan. 5, May 28-30. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	1430	1370	13.41	Mar. 30	1830	1280	13.40
Mar. 7	2100	1290	13.34	May 21	0400	1020	13.07
				May 28	unknown	*1500	*13.67

Minimum discharge, 38 ft^3/s Oct. 9, gage height, 10.52 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 24 to Dec. 19, Dec. 29 to Jan. 1, Jan. 5;
shifting-control method used Feb. 8-26, Sept. 11-30)

10.4	30	11.5	215
10.6	48	12.0	405
10.8	72	13.0	990
11.1	120	14.0	1780

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	201	120	118	488	908	956	419	1110	144	87	76
2	78	454	130	125	479	878	819	456	1030	137	86	74
3	76	485	135	126	442	844	736	604	900	137	84	68
4	72	451	145	119	385	796	682	671	796	153	82	64
5	72	464	150	118	345	778	642	651	716	234	79	62
6	72	415	155	118	302	760	623	631	633	157	77	60
7	84	413	160	116	282	941	621	609	567	140	76	59
8	68	380	155	114	252	1270	654	597	508	133	74	67
9	63	332	150	114	244	1140	706	600	461	130	73	63
10	72	278	135	111	228	1000	686	584	420	130	72	63
11	81	257	120	101	209	885	659	554	390	159	71	60
12	93	221	115	97	197	790	630	514	365	135	69	58
13	79	208	110	98	178	718	570	625	341	126	70	61
14	76	187	110	101	189	664	527	579	329	120	69	71
15	79	207	110	102	226	609	503	543	322	115	66	72
16	79	221	115	116	537	565	546	540	287	120	65	70
17	79	202	118	132	537	527	501	557	267	176	64	64
18	74	183	120	124	412	490	469	619	260	129	62	94
19	72	159	122	149	330	465	436	726	251	115	62	72
20	71	163	125	144	282	450	436	797	231	111	62	59
21	80	151	120	130	272	495	470	949	221	107	64	60
22	101	134	118	126	257	500	591	826	206	105	66	58
23	122	100	120	146	336	485	626	753	195	103	66	57
24	147	85	119	133	1270	560	580	731	185	101	53	77
25	655	85	116	117	1310	542	556	793	178	98	50	77
26	358	87	123	120	1290	528	504	932	172	97	51	87
27	258	93	123	135	1140	542	500	1120	166	96	51	72
28	219	97	119	147	997	631	496	1360	157	95	52	89
29	189	105	112	162	---	747	452	1370	157	93	55	109
30	172	115	111	496	---	1020	423	1330	151	91	81	169
31	168	---	113	463	---	1110	---	1210	---	89	107	---
TOTAL	3987	6933	3894	4518	13396	22636	17600	23250	11973	3876	2146	2192
MEAN	129	231	126	146	478	730	587	750	399	125	69.2	73.1
MAX	655	485	160	496	1310	1270	956	1370	1110	234	107	169
MIN	63	85	110	97	178	450	423	419	151	89	50	57
CFSM	.93	1.67	.91	1.06	3.46	5.29	4.25	5.43	2.89	.91	.50	.53
IN.	1.07	1.87	1.05	1.22	3.61	6.10	4.74	6.27	3.23	1.04	.58	.59
AC-FT	7910	13750	7720	8960	26570	44900	34910	46120	23750	7690	4260	4350

CAL YR 1985 TOTAL 119893 MEAN 328 MAX 1850 MIN 49 CFSM 2.38 IN. 32.32 AC-FT 237800
WTR YR 1986 TOTAL 116401 MEAN 319 MAX 1370 MIN 50 CFSM 2.31 IN. 31.38 AC-FT 230900

12414500 ST. JOE RIVER AT CALDER, ID

LOCATION.--Lat 47°16'30", long 116°11'15", in NW¼SE¼ sec. 3, T. 45 N., R. 2 E., Shoshone County, Hydrologic Unit 17010304, on right bank 75 ft downstream from road bridge at Calder, and at mile 42.9.

DRAINAGE AREA.--1,030 mi^2, approximately.

PERIOD OF RECORD.--April 1911 to September 1912 (published as "near Calder"), July 1920 to current year.

REVISED RECORDS.--WSP 1182: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,171.76 ft above National Geodetic Vertical Datum of 1929. Apr. 14, 1911, to Sept. 30, 1912, nonrecording gage at site 2.5 mi downstream at different datum. Nonrecording gage at present site July 13 to Dec. 21, 1920, water-stage recorder at present site thereafter. Datum July 13, 1920, to Sept. 30, 1966, 75 ft lower than present datum, and datum Oct. 1, 1966, to Aug. 14, 1972, 15 ft lower than present datum.

REMARKS.--Estimated daily discharges: Nov. 24 to Feb. 5. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--67 years, 2,370 ft^3/s, 31.25 in./yr, 1,717,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,000 ft^3/s Dec. 23, 1933, computed on basis of slope between gages downstream; maximum gage height, 18.1 ft Apr. 18, 1938, from floodmark, present datum, minimum discharge, 87 ft^3/s Nov. 20, 1979; minimum gage height, 3.43 ft Dec. 5, 1928, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 8,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	0930	*14800	*11.86	Mar. 31	0130	11400	10.89
Mar. 8	0800	10900	10.74				

Minimum discharge, 333 ft^3/s Oct. 9; minimum gage height, 4.68 ft Sept. 12.

Rating table (gage height in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 28-30; stage-discharge relation
affected by ice Nov. 24 to Feb. 5)

4.7	310	7.0	2540
5.0	490	8.0	4280
5.5	855	10.0	8750
6.0	1320	12.0	15200

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	1250	670	670	2650	6680	8120	3400	5850	1090	547	555
2	434	2600	680	680	2820	6330	6680	3450	5310	1050	552	470
3	427	3470	720	680	2450	6280	5750	4100	4750	1040	536	417
4	420	3680	760	680	2180	5940	5310	5010	4260	1050	522	385
5	407	3830	820	680	2100	5800	5020	5230	3950	1270	508	367
6	407	3490	850	680	2000	5630	4870	5060	3760	1090	496	353
7	493	3290	870	680	1710	7070	4900	4830	3320	987	486	346
8	450	3000	880	680	1540	10600	5250	4750	3030	934	478	369
9	373	2610	870	680	1440	9460	5940	4820	2850	915	469	374
10	386	2240	850	680	1460	7800	6020	4770	2660	945	460	388
11	441	2030	810	680	1370	6540	5760	4570	2500	1050	456	367
12	556	1740	790	690	1310	5720	5380	4250	2350	989	454	348
13	505	1640	760	700	1210	5160	4850	4530	2220	890	467	352
14	457	1530	760	730	1140	4770	4370	4700	2130	840	458	428
15	482	1550	760	760	1220	4340	4090	4460	2180	801	440	433
16	489	1670	790	810	2340	4070	4190	4230	1960	797	420	415
17	499	1520	830	880	3520	3840	4020	4220	1840	1000	413	391
18	469	1380	870	970	2810	3580	3830	4350	1760	881	403	487
19	438	1270	860	1150	2240	3400	3640	5020	1720	779	397	574
20	428	1220	830	1400	2120	3300	3520	5900	1610	738	389	433
21	440	1170	800	1700	1950	3500	3750	6570	1550	711	386	448
22	561	929	770	1800	1690	3750	4760	6220	1470	691	389	435
23	701	714	730	1820	1810	3680	5390	5420	1410	675	383	395
24	784	690	710	1780	9900	4100	5000	4960	1350	654	382	428
25	2840	660	700	1700	11200	4300	4670	4970	1300	636	370	538
26	2770	640	680	1650	11200	4100	4210	5790	1260	622	356	556
27	1880	640	680	1600	9550	4050	3980	6930	1230	609	350	579
28	1580	640	680	1650	7500	4730	4020	7660	1180	597	343	609
29	1420	640	670	1700	---	6230	3740	7500	1190	579	344	752
30	1300	650	670	2100	---	8480	3540	7100	1160	565	443	970
31	1280	---	670	2500	---	10300	---	6490	---	554	619	---
TOTAL	24536	52383	23790	35560	94430	173530	144570	161260	73110	26029	13716	13962
MEAN	791	1746	767	1147	3373	5598	4819	5202	2437	840	442	465
MAX	2840	3830	880	2500	11200	10600	8120	7660	5850	1270	619	970
MIN	373	640	670	670	1140	3300	3520	3400	1160	554	343	346
CFSM	.77	1.70	.74	1.11	3.27	5.43	4.68	5.05	2.37	.82	.43	.45
IN.	.89	1.89	.86	1.28	3.41	6.27	5.22	5.82	2.64	.94	.50	.50
AC-FT	48670	103900	47190	70530	187300	344200	286800	319900	145000	51630	27210	27690

CAL YR 1985 TOTAL 862093 MEAN 2362 MAX 13700 MIN 325 CFSM 2.29 IN. 31.14 AC-FT 1710000
WTR YR 1986 TOTAL 836876 MEAN 2293 MAX 11200 MIN 343 CFSM 2.23 IN. 30.23 AC-FT 1660000

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW¼SE¼NW¼ sec. 8, T. 44 N., R. 1 W., Benewah County, Hydrologic Unit 17010304, on right bank 450 ft upstream from bridge on U.S. Highway 95 Alternate, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6.

DRAINAGE AREA.--275 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70(M), 1972(M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 12-17, 19-21, Nov. 23 to Feb. 21. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--21 years, 361 ft^3/s, 17.83 in./yr, 261,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft^3/s Jan. 15, 1974, gage height, 12.60 ft; minimum, 15 ft^3/s Nov. 11, 1978, gage height, 3.32 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 16	2100	ice	*11.41	Mar. 8	0430	2680	7.78
Feb. 24	1700	*2700	7.80	Mar. 30	2345	1610	6.88

Minimum discharge, 34 ft^3/s Aug. 28, 29, gage height, 3.82 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 12-17, 19-21, Nov. 23 to Feb. 16)

3.7	31	5.3	355
3.8	39	5.8	634
4.1	78	6.3	1060
4.4	128	7.0	1810
4.8	209	8.0	3040

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	204	52	57	600	1300	1060	356	274	94	59	92
2	64	253	55	59	700	1290	915	349	255	79	55	73
3	63	195	57	57	770	1250	770	481	237	59	55	63
4	62	193	60	53	680	1110	698	667	222	79	54	54
5	59	200	62	55	610	1160	643	614	212	171	51	49
6	59	231	63	56	540	1110	605	528	201	133	51	47
7	71	240	64	56	500	1840	579	479	190	106	51	45
8	78	198	64	55	455	2530	595	443	186	97	50	44
9	62	164	63	56	435	2260	633	415	180	92	49	44
10	63	137	58	57	400	1860	604	395	168	89	49	44
11	65	99	56	58	365	1470	561	367	159	113	47	44
12	81	93	55	58	325	1270	554	350	151	104	45	44
13	80	95	55	56	305	1130	564	392	144	93	45	44
14	73	98	56	52	300	998	520	388	140	86	45	46
15	70	102	57	56	320	849	489	338	168	81	45	86
16	69	105	58	70	500	758	633	318	148	81	42	79
17	68	108	59	78	800	799	579	305	136	132	42	64
18	69	107	58	97	660	735	505	301	132	122	41	60
19	65	98	58	145	550	698	454	300	133	93	38	85
20	66	90	58	200	475	680	431	300	129	85	38	65
21	68	81	57	240	445	750	439	525	123	79	37	68
22	114	75	56	240	282	763	475	585	112	75	37	68
23	130	65	54	240	454	685	530	439	113	73	37	59
24	142	58	51	230	2000	923	463	372	108	70	37	60
25	352	54	52	210	2370	956	445	338	104	69	37	95
26	170	50	56	198	2050	799	418	319	100	67	36	93
27	128	50	56	194	1720	772	403	314	100	66	36	95
28	108	50	53	192	1400	900	503	326	97	65	35	97
29	96	50	51	210	---	990	426	324	97	62	34	128
30	96	50	53	280	---	1180	382	311	97	62	44	210
31	99	---	56	420	---	1380	---	295	---	60	80	---
TOTAL	2855	3593	1763	4065	21011	35203	16876	12234	4616	2737	1402	2125
MEAN	92.1	120	56.9	131	750	1136	563	395	154	88.3	45.2	70.8
MAX	352	253	64	420	2370	2530	1060	667	274	171	80	210
MIN	59	50	51	52	282	685	382	295	97	59	34	44
CFSM	.33	.44	.21	.48	2.73	4.13	2.05	1.44	.56	.32	.16	.26
IN.	.39	.49	.24	.55	2.84	4.76	2.28	1.55	.62	.37	.19	.29
AC-FT	5660	7130	3500	8060	41680	69830	33470	24270	9160	5430	2780	4210

CAL YR 1985 TOTAL 122336 MEAN 335 MAX 3180 MIN 48 CFSM 1.22 IN. 16.55 AC-FT 242700
WTR YR 1986 TOTAL 108480 MEAN 297 MAX 2530 MIN 34 CFSM 1.08 IN. 14.67 AC-FT 215200

12415350 WOLF LODGE CREEK NEAR COEUR D'ALENE, ID

LOCATION.--Lat 47°38'27", long 116°36'58", in NE¼SW¼NE¼ sec. 32, T. 50 N, R. 2 W., Kootenai County, Hydrologic Unit 17010303, on upstream left bank, 0.8 mi upstream from Cedar Creek, 2 mi upstream from Lake Coeur d'Alene, and 8 mi southeast of Coeur d'Alene.

DRAINAGE AREA.--39.4 mi^2.

PERIOD OF RECORD.--December 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,150 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 29 to Jan. 4, Jan. 6-11, 13-17, Feb. 1-20, Mar. 2-9. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 220 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	1030	*585	*11.11

Minimum daily discharge, 4.7 ft^3/s Aug. 18, 20, 24; minimum gage height, 8.58 ft Sept. 18-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	6.6	55	258	153	60	40	12	6.9	6.2
2			---	6.6	74	250	124	60	39	12	6.5	6.9
3			---	7.4	95	245	106	64	38	12	6.5	6.5
4			---	7.8	85	240	90	74	35	12	6.5	6.5
5			---	8.6	77	225	88	88	35	12	5.9	6.5
6			---	8.5	69	210	80	92	33	12	5.9	6.5
7			---	8.4	64	220	78	88	31	11	5.9	6.9
8			---	8.4	60	260	80	82	32	11	5.9	6.5
9			---	8.4	57	280	88	76	30	11	5.6	6.5
10			---	8.4	54	241	86	73	27	12	5.9	6.2
11			---	8.2	51	201	80	69	25	12	5.6	6.5
12			---	8.0	49	178	78	64	24	12	5.6	6.5
13			---	7.7	47	164	69	62	22	12	5.6	6.5
14			---	7.3	45	158	62	59	23	11	5.3	6.9
15			---	6.8	48	144	60	58	22	11	5.0	6.2
16			---	7.8	70	132	66	55	20	10	5.0	6.5
17			8.2	9.4	105	122	60	53	19	12	5.0	6.0
18			8.2	12	90	110	59	53	18	11	4.7	5.0
19			8.1	15	68	101	60	52	17	11	5.0	5.0
20			7.8	19	42	94	59	53	17	11	4.7	5.0
21			7.8	22	29	96	58	62	16	10	5.0	5.0
22			7.8	21	28	98	62	64	15	10	5.3	5.0
23			7.8	23	29	96	68	64	15	9.9	5.3	5.0
24			8.6	23	86	113	66	64	14	9.4	4.7	5.9
25			8.2	21	273	108	62	60	14	8.6	5.0	5.6
26			8.2	21	418	106	59	58	13	8.2	5.0	6.2
27			7.9	20	315	103	62	56	13	8.2	5.0	6.5
28			7.3	20	291	117	64	52	13	8.2	5.0	8.2
29			7.0	20	---	142	64	50	13	7.3	5.0	8.6
30			6.8	31	---	161	64	48	12	7.3	5.6	12
31			6.7	45	---	172	---	42	---	6.9	5.9	---
TOTAL			---	447.3	2774	5145	2255	1955	685	324.0	169.8	193.3
MEAN			---	14.4	99.1	166	75.2	63.1	22.8	10.5	5.48	6.44
MAX			---	45	418	280	153	92	40	12	6.9	12
MIN			---	6.6	28	94	58	42	12	6.9	4.7	5.0

12415500 COEUR D'ALENE LAKE AT COEUR D'ALENE, ID

LOCATION.--Lat 47°39'55", long 116°46'13", in NE¼NW¼SE¼ sec.24, T.50 N., R.4 W., Kootenai County, Hydrologic Unit 17010303, 500 ft southwest of south end of Eleventh Street, Coeur d'Alene, and 113.1 mi upstream from mouth of Spokane River.

DRAINAGE AREA.--3,700 mi^2, approximately.

PERIOD OF RECORD.--April 1903 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,100.00 ft, referred to originally accepted elevation of 2,157.40 ft of U.S. Geological Survey bench mark in southeast corner of Idaho First National Bank Building (see WSP 882). Gage heights reduced to that datum. Datum of gage is 2,097.00 ft above National Geodetic Vertical Datum of 1929. Apr. 26, 1903, to Feb. 14, 1905, nonrecording gage at mouth of St. Joe River at datum about 18.7 ft higher than gage datum. Feb. 15, 1905, to Mar. 23, 1921, nonrecording gage, and Mar. 24, 1921, to Dec. 22, 1930, water-stage recorder at Johnson Wharf 800 ft southeast of railroad station and 1 mi northwest of present site at datum 19.75 ft higher than gage datum. Dec. 23, 1930, to Feb. 9, 1931, nonrecording gage at present site and datum.

REMARKS.--The Washington Water Power Co. stores water in Coeur d'Alene Lake by regulation at Post Falls Dam for power generation at Post Falls and other plants on Spokane River. Storage is within natural range of lake stage. Contents given herein are those above elevation 2,120.0 ft. Capacity of lake between elevations 2,120 ft and 2,140 ft, 889,000 acre-ft. Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 834,900 acre-ft Dec. 25, 1933, elevation, 2,139.05 ft; minimum, 2,700 acre-ft below zero of contents table Oct. 10-12, 1904, Sept. 24, 25, 1905, Oct. 14 to Nov. 3, 1906, Feb. 9, 10, 1977, elevation, 2,119.9 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum contents known prior to 1903, 753,300 acre-ft May 31, 1894, elevation, 2,137.6 ft, from high-water marks.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 365,500 acre-ft Mar. 11, elevation, 2,130.49 ft; minimum, 32,500 acre-ft Jan. 14-15, elevation, 2,121.21 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

2,121.0	26,800
2,122.0	53,700
2,124.0	107,900
2,126.0	162,900
2,128.0	238,500
2,130.0	339,700
2,132.0	446,000

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.56	25.82	24.74	21.47	23.15	29.36	28.34	26.15	27.80	27.89	27.91	27.92
2	26.51	25.89	24.65	21.45	23.57	29.50	28.46	26.18	27.84	27.92	27.93	27.94
3	26.46	26.09	24.49	21.40	24.00	29.57	28.43	26.26	27.88	27.89	27.94	27.94
4	26.39	26.45	24.34	21.36	24.33	29.57	28.31	26.45	27.92	27.89	27.95	27.95
5	26.33	26.75	24.21	21.36	24.50	29.53	28.15	26.64	27.97	27.87	27.94	27.88
6	26.26	27.02	24.09	21.34	24.71	29.46	27.97	26.85	27.96	27.85	27.95	27.87
7	26.21	27.21	23.95	21.29	24.73	29.51	27.79	26.99	27.91	27.91	27.96	27.86
8	26.15	27.37	23.79	21.27	24.68	29.80	27.66	27.09	27.91	27.95	27.96	27.91
9	26.12	27.42	23.63	21.27	24.61	30.22	27.57	27.11	27.91	27.96	27.95	27.90
10	26.03	27.46	23.51	21.27	24.53	30.44	27.50	27.09	27.91	27.96	27.96	27.92
11	26.05	27.45	23.35	21.26	24.42	30.47	27.46	27.05	27.91	27.93	27.96	27.88
12	25.99	27.40	23.19	21.25	24.33	30.35	27.37	27.00	27.90	27.92	27.97	27.83
13	25.95	27.33	23.03	21.23	24.20	30.35	27.27	27.01	27.92	27.92	27.96	27.86
14	25.92	27.23	22.88	21.21	24.08	29.89	27.10	27.04	28.01	27.89	27.97	27.88
15	25.85	27.16	22.74	21.22	24.04	29.60	26.95	27.05	28.01	27.88	27.95	27.85
16	25.82	27.09	22.61	21.29	24.16	29.28	26.81	27.06	27.97	27.87	27.94	27.81
17	25.75	27.02	22.50	21.27	24.60	28.98	26.66	27.04	27.93	27.88	27.94	27.76
18	25.70	26.92	22.40	21.35	24.93	28.66	26.51	27.04	27.96	27.88	27.94	27.72
19	25.65	26.75	22.30	21.42	24.99	28.36	26.35	27.14	27.90	27.87	27.92	27.66
20	25.58	26.63	22.21	21.55	24.96	28.07	26.19	27.74	27.83	27.87	27.90	27.63
21	25.58	26.41	22.12	21.64	24.89	27.82	26.07	27.74	27.82	27.88	27.91	27.57
22	25.57	26.29	22.03	21.73	24.80	27.61	26.03	27.59	27.82	27.88	27.89	27.51
23	25.51	26.06	21.93	21.87	24.82	27.45	26.06	27.48	27.85	27.87	27.88	27.46
24	25.54	25.84	21.86	21.93	25.51	27.40	26.09	27.46	27.87	27.87	27.87	27.40
25	25.62	25.66	21.79	21.98	26.79	27.34	26.12	27.61	27.88	27.87	27.85	27.38
26	25.79	25.50	21.71	22.01	27.88	27.29	26.09	27.81	27.87	27.89	27.85	27.30
27	25.85	25.37	21.65	22.04	28.70	27.23	26.12	27.91	27.86	27.89	27.84	27.25
28	25.83	25.22	21.59	22.04	29.17	27.21	26.11	27.93	27.85	27.90	27.84	27.21
29	25.84	25.06	21.53	22.11	---	27.28	26.13	27.90	27.86	27.91	27.85	27.25
30	25.82	24.92	21.47	22.34	---	27.56	26.14	27.85	27.85	27.91	27.86	27.23
31	25.79	---	21.46	22.71	---	28.00	---	27.81	---	27.91	27.88	---
MEAN	25.94	26.49	22.83	21.58	25.01	28.81	26.99	27.20	27.90	27.90	27.92	27.68
MAX	26.56	27.46	24.74	22.71	29.17	30.47	28.46	27.93	28.01	27.96	27.97	27.95
MIN	25.51	24.92	21.46	21.21	23.15	27.21	26.03	26.15	27.80	27.85	27.84	27.21
(†)	157000	133000	39100	72900	296800	238500	167000	229500	231400	233700	232800	204100
(‡)	-25500	-24000	-93900	33800	223900	-58300	-71500	62500	1900	2400	-900	-28700

CAL YR 1985.......(‡) -22700
WTR YR 1986.......(‡) 21600

(†) Contents, in acre-feet, at end of month.
(‡) Change in contents, in acre-feet.

12416000 HAYDEN CREEK BELOW NORTH FORK, NEAR HAYDEN LAKE, ID
(Hydrologic bench-mark station)

LOCATION.--Lat 47°49'22", long 116°39'10", in NW¼NW¼SW¼ sec. 25, T.52 N., R.3 W., Kootenai County, Hydrologic Unit 17010305, Coeur d'Alene National Forest, on right bank 0.3 mi downstream from confluence of East Fork and North Fork, and 7.5 mi northeast of Hayden Lake Post Office.

DRAINAGE AREA.--22.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1948 to December 1953, October 1958 to September 1959, September 1961 to September 1965 (annual maximum), October 1965 to current year.

GAGE.--Water-stage recorder and a self-cleaning broad-crested concrete weir. Elevation of gage is 2,370 ft above National Geodetic Vertical Datum of 1929, from topographic map. Apr. 22 to Nov. 1, 1948, nonrecording gage, and Nov. 2, 1948, to June 26, 1951, water-stage recorder at site 200 ft downstream 0.98 ft lower. June 27, 1951, to Dec. 4, 1953, Oct. 1, 1958, to Sept. 30, 1959, water-stage recorder, Sept. 16, 1961, to Sept. 30, 1965, crest-stage gage, at datum 0.41 ft higher.

REMARKS.--Estimated daily discharges: Nov. 22 to Dec. 3, Dec. 9-16, 19, 23-25, Dec. 31 to Jan. 2, Jan. 5-6, Feb. 19-22. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--27 years (1949-53, 1959, 1966-86), 28.7 ft^3/s, 17.72 in./yr, 20,790 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,280 ft^3/s Feb. 21, 1982, gage height, 5.69 ft, present site and datum, from rating curve extended above 365 ft^3/s on basis of slope-area measurement; minimum discharge recorded, 1.7 ft^3/s Aug. 19-20, 1977, gage height, 2.25 ft; minimum gage height, 2.19 ft Dec. 12, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	1000	*200	*3.49

Minimum daily discharge, 3.9 ft^3/s Nov. 29, 30.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 5 to Apr. 25, Aug 12-16; stage-discharge relation affected by ice Nov. 22 to Dec. 3, Dec. 9-16, 19, 23-25, Dec. 31 to Jan. 2, Jan 5-6, Feb. 19-22)

2.2	3.0	2.8	28
2.3	4.5	3.0	50
2.4	6.8	3.3	112
2.6	14	3.6	212

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	7.0	4.0	4.7	44	132	56	29	24	8.8	5.7	6.8
2	4.7	8.4	4.3	4.8	58	140	50	29	23	8.8	5.6	6.8
3	4.7	7.2	4.6	5.0	49	128	46	31	22	8.8	5.4	5.8
4	4.5	22	5.0	5.0	46	106	44	33	20	11	5.2	5.5
5	4.5	23	5.4	4.7	42	96	42	33	20	10	5.2	5.4
6	4.7	19	6.0	4.7	37	92	40	33	18	8.5	5.2	5.2
7	5.1	15	6.0	5.0	33	120	38	32	18	7.9	5.1	5.3
8	4.6	13	5.7	5.0	30	163	37	31	17	7.8	5.1	5.3
9	4.6	12	5.4	5.3	27	138	37	30	15	7.7	5.0	5.5
10	4.7	9.8	5.1	5.7	26	119	37	30	14	9.1	5.0	5.6
11	5.6	8.4	5.0	5.6	26	102	36	29	14	8.7	4.9	5.7
12	5.3	8.7	4.9	5.7	23	92	36	28	13	7.9	4.9	5.3
13	4.8	8.7	4.3	5.8	21	80	34	33	13	7.4	4.5	5.3
14	4.8	9.2	4.2	5.5	20	74	32	32	14	7.1	4.7	5.5
15	4.7	6.7	4.5	5.4	19	69	30	32	14	7.0	5.2	5.4
16	4.7	6.8	4.9	7.4	25	64	34	31	13	7.2	5.4	5.4
17	4.6	6.4	5.0	12	20	58	31	31	13	9.0	5.4	5.4
18	4.5	6.3	5.0	9.7	18	53	29	29	13	7.1	5.3	5.9
19	4.6	5.7	4.9	15	17	50	28	28	12	6.6	5.2	5.6
20	4.7	5.7	5.0	18	16	48	28	28	12	6.6	5.1	5.3
21	5.8	5.5	4.9	15	16	51	28	35	12	6.8	5.2	5.2
22	6.9	4.6	4.9	13	16	52	30	34	11	7.1	5.0	5.2
23	5.6	4.4	4.8	14	17	50	30	35	10	6.9	5.0	5.2
24	11	4.3	4.7	13	58	55	29	35	10	6.6	5.0	7.6
25	14	4.2	4.8	12	173	52	28	34	9.9	6.5	5.0	6.1
26	7.5	4.1	5.0	12	197	50	27	32	9.9	6.5	5.5	7.0
27	6.2	4.0	5.0	12	165	50	29	31	9.7	6.4	4.9	7.1
28	5.8	4.0	5.0	11	130	53	31	29	9.5	6.3	4.8	12
29	5.3	3.9	4.9	12	---	56	30	26	9.8	6.3	4.9	13
30	5.3	3.9	4.9	23	---	61	30	26	9.3	6.1	5.9	23
31	5.2	---	4.5	37	---	59	---	24	---	6.0	6.1	---
TOTAL	173.8	251.9	152.6	314.0	1369	2513	1037	953	423.1	235.3	160.4	203.4
MEAN	5.61	8.40	4.92	10.1	48.9	81.1	34.6	30.7	14.1	7.59	5.17	6.78
MAX	14	23	6.0	37	197	163	56	35	24	11	6.1	23
MIN	4.5	3.9	4.0	4.7	16	48	27	24	9.3	6.0	4.5	5.2
CFSM	.25	.38	.22	.46	2.22	3.69	1.57	1.40	.64	.34	.23	.31
IN.	.29	.43	.26	.53	2.31	4.25	1.75	1.61	.72	.40	.27	.34
AC-FT	345	500	303	623	2720	4980	2060	1890	839	467	318	403

CAL YR 1985	TOTAL	7742.0	MEAN	21.2	MAX	293	MIN	3.9	CFSM	.96	IN.	13.09	AC-FT	15360
WTR YR 1986	TOTAL	7786.5	MEAN	21.3	MAX	197	MIN	3.9	CFSM	.97	IN.	13.17	AC-FT	15440

12416000 HAYDEN CREEK BELOW NORTH FORK, NEAR HAYDEN LAKE, ID--Continued

(Hydrologic benchmark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
DEC 05...	1100	5.2	70	7.50	1.5	1.0	13.0	99	K3	K2	35
MAR 04...	1300	104	47	7.30	13.5	4.5	12.1	100	K1	<1	19
JUN 13...	0900	14	70	7.20	24.0	11.5	9.6	98	21	44	31
SEP 16...	1030	5.4	76	7.90	11.0	9.5	10.7	101	39	55	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
DEC 05...	9.1	3.0	1.4	8	0.7	34	3.1	0.5	<0.1	12
MAR 04...	5.1	1.5	1.3	12	0.8	17	3.1	0.9	0.1	13
JUN 13...	8.1	2.5	1.5	9	0.6	32	3.7	0.4	<0.1	13
SEP 16...	--	--	--	--	--	38	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
DEC 05...	42	50	0.06	0.59	0.19	<0.01	0.2	<0.01	<0.01	<0.01
MAR 04...	38	36	0.05	11	<0.10	0.04	0.3	0.01	0.02	<0.01
JUN 13...	48	49	0.08	1.8	<0.10	0.02	1.4	0.01	0.01	<0.01
SEP 16...	--	--	--	--	<0.10	0.02	0.2	0.01	<0.01	<0.01

K Results based on counts outside ideal colony count range.

12416000 HAYDEN CREEK BELOW NORTH FORK, NEAR HAYDEN LAKE, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
DEC									
05...	<10	11	<0.5	<1	<1	<3	1	4	3
MAR									
04...	60	12	<0.5	<1	<1	<3	5	34	2
JUN									
13...	<10	17	1	<1	<1	<3	<1	50	5

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
DEC									
05...	<4	<1	<0.1	<10	<1	<1	<1	18	<6
MAR									
04...	<4	<1	0.1	<10	1	<1	<1	12	<6
JUN									
13...	<4	6	<0.1	<10	1	<1	<1	23	<6

DATE	ZINC, DISSOLVED (UG/L AS ZN)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
MAR									
04...	25	0.5	0.7	0.7	0.7	0.7	0.7	0.02	0.03

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
DEC			
05...	2	0.03	--
MAR			
04...	7	2.0	55
JUN			
13...	2	0.08	48
SEP			
16...	2	0.03	57

12417000 HAYDEN LAKE AT HAYDEN LAKE, ID

LOCATION.--Lat 47°44'58", long 116°44'21", in SE¼NW¼SW¼ sec.20, T.51 N., R.3 W., Kootenai County, Hydrologic Unit 17010305, at Tobler Marina, 2.3 mi east-southeast of Hayden Lake Post Office.

DRAINAGE AREA.--62.3 mi^2.

PERIOD OF RECORD.--May 1920 to current year.

REVISED RECORDS.--WDR ID-1981-2: 1980 gage heights.

GAGE.--Nonrecording gage read once daily. Datum of gage is 2,200.21 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1925, at datum 30.35 ft higher. Oct. 1, 1925, to Mar. 26, 1931, at datum 21.60 ft higher. Mar. 26, 1931, to Apr. 8, 1981, at Avondale pumping plant in Bozanta Tavern Bay across lake 1.5 mi northwest of present site.

REMARKS.--No gage-height record: Nov. 6, 28, Dec. 25, Feb. 2-20, 22-26. Water is pumped from lake for irrigation and domestic supply. Lake has no natural surface outlet. Some surface flow leaves the lake during high stages most years through a controlled outlet in the dike at the southeast corner. Due to the permeability of the lakebed and outlet area, the excess flow infiltrates into the Rathdrum Prairie ground-water system.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 42.46 ft Apr. 22, 1956; minimum observed, 19.38 ft Dec. 16, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 37.68 ft May 24, 25; minimum observed, 33.65 ft Sept. 28.

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
0800 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.56	34.20	34.10	33.79	34.07	35.44	37.29	37.47	37.62	36.65	35.58	34.30
2	34.53	34.19	34.09	33.79	---	35.56	37.30	37.46	37.60	36.62	35.54	34.28
3	34.50	34.18	34.08	33.78	---	35.65	37.31	37.49	37.57	36.58	35.49	34.26
4	34.47	34.23	34.06	33.78	---	35.76	37.31	37.51	37.54	36.55	35.45	34.24
5	34.45	34.32	34.04	33.78	---	35.85	37.32	37.53	37.51	36.52	35.41	34.21
6	34.43	---	34.04	33.78	---	35.94	37.33	37.54	37.48	36.49	35.37	34.16
7	34.41	34.38	34.05	33.78	---	36.02	37.33	37.55	37.46	36.46	35.33	34.11
8	34.40	34.36	34.04	33.79	---	36.10	37.34	37.55	37.42	36.43	35.28	34.07
9	34.38	34.34	34.04	33.79	---	36.22	37.35	37.56	37.38	36.40	35.24	34.03
10	34.37	34.33	34.03	33.80	---	36.35	37.36	37.57	37.35	36.36	35.20	33.99
11	34.36	34.32	34.03	33.80	---	36.48	37.36	37.57	37.32	36.33	35.16	33.95
12	34.35	34.30	34.02	33.79	---	36.58	37.37	37.58	37.28	36.30	35.12	33.92
13	34.34	34.28	34.00	33.78	---	36.64	37.38	37.58	37.24	36.27	35.07	33.89
14	34.33	34.26	33.99	33.77	---	36.69	37.38	37.57	37.20	36.24	35.03	33.86
15	34.31	34.24	33.98	33.76	---	36.74	37.39	37.57	37.18	36.20	34.98	33.83
16	34.29	34.27	33.96	33.77	---	36.78	37.42	37.57	37.16	36.17	34.94	33.81
17	34.27	34.26	33.95	33.78	---	36.81	37.43	37.56	37.14	36.15	34.89	33.79
18	34.25	34.26	33.94	33.80	---	36.84	37.44	37.56	37.11	36.12	34.85	33.78
19	34.23	34.25	33.92	33.81	---	36.86	37.44	37.56	37.08	36.09	34.81	33.76
20	34.22	34.23	33.91	33.82	---	36.88	37.44	37.58	37.05	36.06	34.76	33.74
21	34.21	34.22	33.89	33.83	34.67	36.90	37.44	37.61	37.02	36.02	34.71	33.72
22	34.21	34.21	33.88	33.84	---	36.93	37.43	37.65	36.99	35.99	34.66	33.70
23	34.22	34.20	33.87	33.85	---	36.97	37.42	37.66	36.96	35.96	34.61	33.68
24	34.23	34.18	33.85	33.87	---	37.01	37.42	37.68	36.92	35.92	34.56	33.68
25	34.24	34.17	---	33.88	---	37.05	37.43	37.68	36.88	35.88	34.52	33.67
26	34.25	34.16	33.83	33.90	---	37.08	37.44	37.67	36.84	35.84	34.48	33.66
27	34.24	34.15	33.82	33.92	35.25	37.11	37.47	37.67	36.80	35.80	34.44	33.66
28	34.23	---	33.81	33.95	35.33	37.14	37.48	37.66	36.77	35.76	34.40	33.65
29	34.22	34.13	33.80	33.98	---	37.18	37.48	37.66	36.73	35.72	34.36	33.67
30	34.20	34.11	33.79	34.01	---	37.22	37.47	37.66	36.69	35.68	34.32	33.70
31	34.18	---	33.79	34.04	---	37.26	---	37.64	---	35.63	34.30	---
MEAN	34.32	---	---	33.83	---	36.58	37.39	37.59	37.18	36.17	34.93	33.89
MAX	34.56	---	---	34.04	---	37.26	37.48	37.68	37.62	36.65	35.58	34.30
MIN	34.18	---	---	33.76	---	35.44	37.29	37.46	36.69	35.63	34.30	33.65

12418000 RATHDRUM PRAIRIE CANAL AT HUETTER, ID

LOCATION.--Lat 47°42'36", long 116°52'16", in SE¼SE¼NE¼ sec. 6, T. 50 N., R. 4 W., Kootenai County, Hydrologic Unit 17010305, on left bank 171 ft downstream from outlet of discharge pipe, 0.6 mi north of pumping plant, and 0.8 mi northwest of Huetter.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for October 1945 to March 1946, published in WSP 1316.

GAGE.--Water-stage recorder. Datum of gage is 2,272.02 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to Oct. 5, 1967, water-stage recorder at site 365 ft upstream at datum 1.00 ft higher.

REMARKS.--Records good. Canal carries water which is pumped from Spokane River in sec.7, T.50 N., R.4 W., for irrigation of first unit of Rathdrum Prairie project, about 3,000 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 66 ft^3/s June 29 to July 2, 1947; no flow for long periods in each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	43	44	41	29
2	.00	.00	.00	.00	.00	.00	.00	.00	44	44	41	29
3	.00	.00	.00	.00	.00	.00	.00	.00	45	43	41	29
4	.00	.00	.00	.00	.00	.00	.00	.00	44	42	41	29
5	.00	.00	.00	.00	.00	.00	.00	.00	47	42	41	29
6	.00	.00	.00	.00	.00	.00	.00	.00	47	43	41	29
7	.00	.00	.00	.00	.00	.00	.00	14	47	44	41	29
8	.00	.00	.00	.00	.00	.00	.00	20	47	46	41	29
9	.00	.00	.00	.00	.00	.00	.00	20	48	42	41	29
10	.00	.00	.00	.00	.00	.00	.00	20	48	41	40	29
11	.00	.00	.00	.00	.00	.00	.00	20	48	40	41	29
12	.00	.00	.00	.00	.00	.00	.00	19	48	40	41	29
13	.00	.00	.00	.00	.00	.00	.00	20	48	41	41	29
14	.00	.00	.00	.00	.00	.00	.00	20	47	43	42	29
15	.00	.00	.00	.00	.00	.00	.00	20	45	41	41	29
16	.00	.00	.00	.00	.00	.00	.00	21	46	26	41	29
17	.00	.00	.00	.00	.00	.00	.00	21	46	26	41	29
18	.00	.00	.00	.00	.00	.00	.00	21	46	35	41	29
19	.00	.00	.00	.00	.00	.00	.00	22	45	41	41	29
20	.00	.00	.00	.00	.00	.00	.00	23	46	41	41	6.0
21	.00	.00	.00	.00	.00	.00	.00	21	44	41	41	.00
22	.00	.00	.00	.00	.00	.00	.00	19	44	41	43	.00
23	.00	.00	.00	.00	.00	.00	.00	20	45	41	45	.00
24	.00	.00	.00	.00	.00	.00	.00	20	45	42	44	.00
25	.00	.00	.00	.00	.00	.00	.00	22	46	42	42	.00
26	.00	.00	.00	.00	.00	.00	.00	27	46	42	42	.00
27	.00	.00	.00	.00	.00	.00	.00	28	46	42	42	.00
28	.00	.00	.00	.00	.00	.00	13	24	45	42	41	.00
29	.00	.00	.00	.00	---	.00	11	36	43	42	42	.00
30	.00	.00	.00	.00	---	.00	.00	40	42	41	41	.00
31	.00	---	.00	.00	---	.00	---	42	---	41	34	---
TOTAL	.00	.00	.00	.00	.00	.00	24.00	580.00	1371	1262	1277	557.00
MEAN	.00	.00	.00	.00	.00	.00	.80	18.7	45.7	40.7	41.2	18.6
MAX	.00	.00	.00	.00	.00	.00	13	42	48	46	45	29
MIN	.00	.00	.00	.00	.00	.00	.00	.00	42	26	34	.00
AC-FT	.00	.00	.00	.00	.00	.00	48	1150	2720	2500	2530	1100

CAL YR 1985	TOTAL	4620.20	MEAN	12.7	MAX	50	MIN	.00	AC-FT	9160
WTR YR 1986	TOTAL	5071.00	MEAN	13.9	MAX	48	MIN	.00	AC-FT	10060

12419000 SPOKANE RIVER NEAR POST FALLS, ID

LOCATION.--Lat 47°42'11", long 116°58'37", in SW¼SW¼SW¼ sec. 4, T. 50 N., R. 5 W., Kootenai County, Hydrologic Unit 17010305, on right bank 1 mi downstream from powerplant of Washington Water Power Co., 1.5 mi southwest of Post Falls, and at mile 100.7.

DRAINAGE AREA.--3,840 mi^2, approximately, of which about 122 mi^2 in the vicinity of Hayden Lake is noncontributing to this station.

PERIOD OF RECORD.--October 1912 to current year (prior to January 1913, monthly discharge only, published in WSP 870 and 1736). Prior to October 1949, published as "at Post Falls."

GAGE.--Water-stage recorder. Datum of gage is 2,050 ft, referred to originally accepted elevation of 2,157.40 ft for the U.S. Geological Survey bench mark in southeast corner of Idaho First National Bank Building (see WSP 882). National Geodetic Vertical Datum of 1929 is at 2,047.00 ft gage datum. Jan. 1, 1913, to Nov. 21, 1920, nonrecording gage, and Nov. 22, 1920, to Sept. 15, 1934, recording gage 0.6 mi upstream. From Sept. 16, 1934, to Nov. 15, 1949, recording gage 0.8 mi upstream. From Nov. 16, 1949, at present site. Datum of all gages prior to Sept. 30, 1964, 50 ft lower.

REMARKS.--No estimated daily discharges. Records good. Rathdrum Prairie Canal (sta 12418000) diverts water above gage for irrigation. Figures of daily discharge do not include water diverted by this canal. Flow regulated by dam at Post Falls and affected by storage in Coeur d'Alene Lake (sta 12415500).

AVERAGE DISCHARGE.--River only, 74 years, 6,275 ft^3/s, 4,546,000 acre-ft/yr; combined river and diversions above gage, 74 years, 6,356 ft^3/s, 4,615,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,100 ft^3/s, when recorder was not operating, Dec. 25, 1933 (determined from unpublished records collected by Washington Water Power Co. for station at Liberty Bridge); minimum, 65 ft^3/s July 25, 30, 1973; minimum gage height, 4.68 ft, July 20, 21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,800 ft^3/s Mar. 11, gage height, 19.04 ft; minimum, 320 99 July 7, gage height, 5.54 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2110	3120	4380	2010	4160	19400	16400	7580	10600	468	419	419
2	1830	3080	4510	2020	4780	19800	17000	7600	8160	988	408	409
3	1840	3100	4560	2000	5350	20100	17200	7650	7090	2010	426	408
4	1830	3120	4500	1990	5510	20100	17000	7750	6430	2030	408	408
5	1820	4160	4530	1990	6080	20100	16700	7790	5890	2110	416	420
6	1820	4700	4620	1860	6810	20000	16200	7910	6570	1860	490	433
7	1810	4640	4670	1870	5930	19900	15700	8560	6220	323	418	421
8	1850	4590	4660	1550	6960	20300	15300	9300	5220	593	416	415
9	1840	4730	4500	1450	6890	21500	14900	9740	4280	1510	433	422
10	1840	4740	4110	1450	6750	22500	14900	10500	4010	1530	424	424
11	1840	4750	4100	1540	6700	23000	14500	10500	4000	1820	404	423
12	1840	4750	4200	1570	6500	22900	14200	10500	3750	1960	418	420
13	1860	4810	4080	1580	6260	22400	14000	9740	2930	1060	418	419
14	1840	4850	3890	1580	6110	21700	13800	9210	2350	1980	414	419
15	1820	4930	3740	1600	6110	20800	13300	9590	2650	977	416	1160
16	1840	4700	3520	1450	6150	19800	13000	9290	3260	1880	412	1770
17	1860	4850	3290	1620	6290	19000	12500	9280	3250	1530	414	1720
18	1830	5240	3250	1910	7080	18200	11900	9240	3270	1060	430	1850
19	1840	5520	3040	1940	7610	17300	11600	8790	3370	1510	419	1930
20	1850	5310	2920	1970	7780	16600	11200	4830	3320	1410	418	1920
21	1880	5200	2840	2080	7970	16000	10700	7270	2900	745	428	1930
22	1890	5360	2660	2230	7900	15300	10600	15700	2350	1260	416	2000
23	1850	5460	2540	2440	7810	14700	10600	13400	1870	1160	404	2040
24	1990	5370	2360	2480	8230	14500	10600	10800	1660	846	411	2030
25	2700	5090	2430	2560	10600	14300	10300	7540	1620	706	412	2030
26	3130	4940	2310	2590	13800	14100	10100	6840	1850	584	412	2030
27	3140	4770	2230	2720	16700	14000	9470	9310	2000	555	420	2040
28	3150	4390	1960	2770	18400	13800	8700	12500	2030	469	421	2050
29	3120	4410	1940	2770	---	13800	8130	13400	2030	413	417	2040
30	3110	4410	2000	2940	---	14200	7780	13400	1640	414	423	2220
31	3110	---	2000	3370	---	15100	---	11900	---	414	424	---
TOTAL	66080	139090	106340	64000	218220	565200	388280	297410	116570	36175	13007	36620
MEAN	2132	4636	3430	2065	7794	18230	12940	9594	3886	1167	420	1221
MAX	3150	5520	4670	3370	18400	23000	17200	15700	10600	2110	490	2220
MIN	1810	3080	1940	1450	4160	13800	7780	4830	1620	323	404	408
AC-FT	131100	275900	210900	126900	432800	1121000	770200	589900	231200	71750	25800	72640
†MEAN	2132	4636	3430	2065	7794	18230	12940	9613	3931	1208	461	1239
†AC-FT	131100	275900	210900	126900	432800	1121000	770200	591100	233900	74260	28330	73740

CAL YR 1985	TOTAL	2024224	MEAN	5546	MAX	25500	MIN	621	AC-FT	4015000	MEAN	†5559	AC-FT	†4024000
WTR YR 1986	TOTAL	2046992	MEAN	5608	MAX	23000	MIN	323	AC-FT	4060000	MEAN	†5622	AC-FT	4070000

† Adjusted for flow in Rathdrum Prairie Canal.

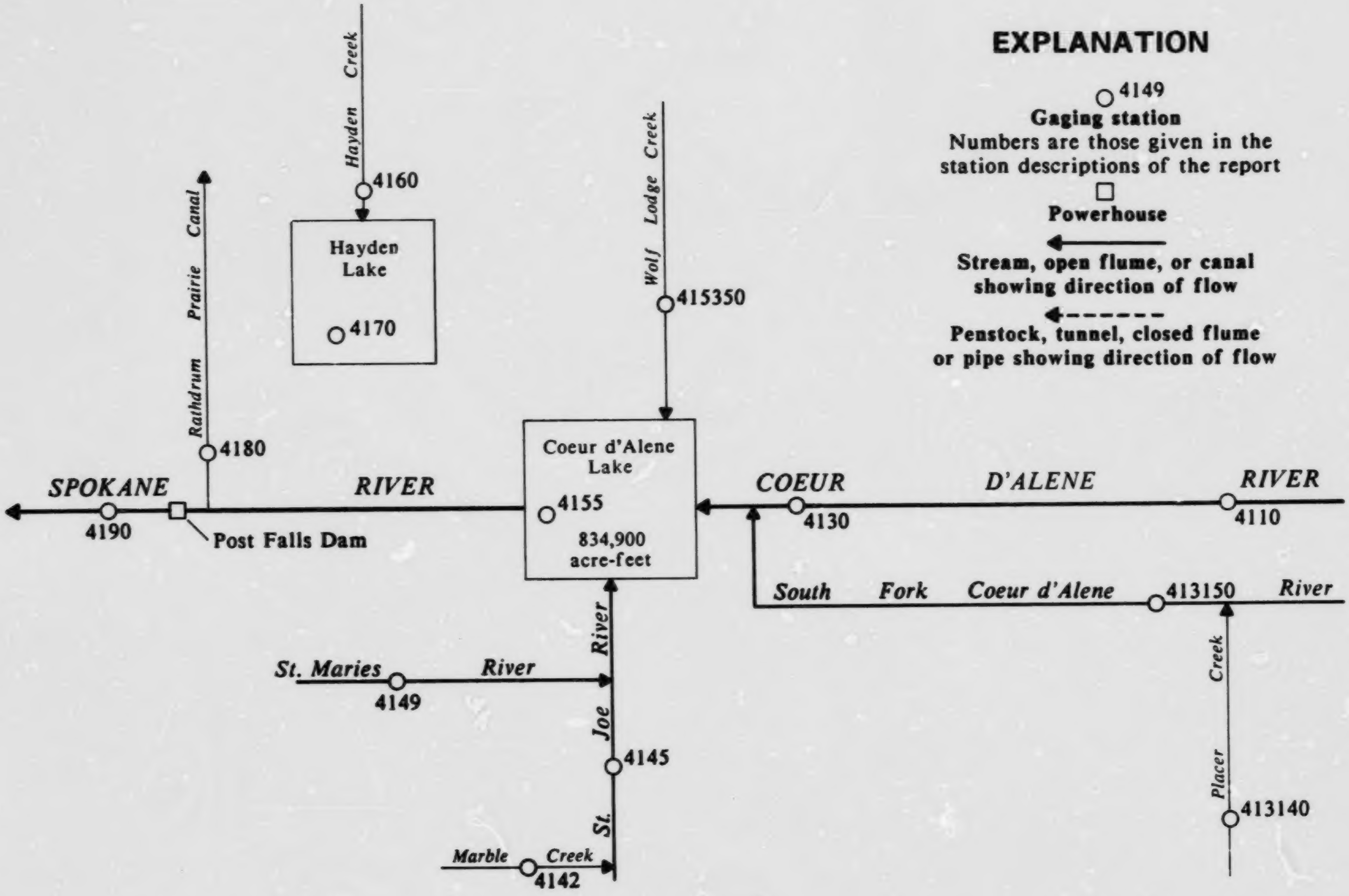

EXPLANATION
4149
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow
Hayden Creek
4160
Hayden Lake
4170
Rathdrum Prairie Canal
4180
Wolf Lodge Creek
415350
Coeur d'Alene Lake
4155
834,900 acre-feet
SPOKANE
RIVER
4190
Post Falls Dam
COEUR
D'ALENE
RIVER
4130
4110
South Fork Coeur d'Alene River
413150
Placer Creek
413140
St. Maries River
4149
St. Joe River
4145
Marble Creek
4142

Figure 15.--Gaging stations in Spokane River basin.

13010200 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY

LOCATION.--Lat 44°05'21", long 110°41'38", in T.48 N., R.115 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on left bank 50 ft upstream from State Highway 89 bridge, 2 mi downstream from the south boundary of Yellowstone National Park, 600 ft downstream from the confluence with Sheffield Creek.

DRAINAGE AREA.--486 mi^2.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Datum of the gage is 6,801.61 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Coast and Geodetic Survey). A nonrecording cantilever chain gage was used from 1913-18 at a site 2.5 mi upstream at a different datum. In 1918, an auxiliary chain gage was installed at the current site and read periodically. Water-stage recorder installed July 1921 at the current site at a different datum and operated until July 1925. Records probably not comparable.

REMARKS.--Estimated daily discharges: Nov. 22, 23, Dec. 11-13, Jan. 4-7, 11-13, 23-28, Feb. 6-13, May 21-29. Records excellent except for periods of estimated daily record, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s May 31, 1984, gage height, 8.39 ft; minimum daily, 275 ft^3/s Feb. 8, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft^3/s June 6, gage height, 9.41 ft; minimum daily, 275 ft^3/s Feb. 8.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 22, 23, Dec. 11-13, Jan. 4-7, 11-13, 23-28, Feb. 6-13)

3.0	108	7.0	4310
4.0	532	8.0	6510
5.0	1340	9.0	9380
6.0	2580		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	343	402	409	319	364	526	617	815	8330	2270	853	580
2	347	410	413	337	363	508	683	1020	8710	2130	824	582
3	344	405	422	345	372	497	744	1570	8530	2040	795	560
4	335	395	422	342	371	484	785	2060	8300	1920	772	540
5	327	456	431	338	366	473	787	1720	8680	1730	753	527
6	332	423	432	340	340	466	798	1470	9210	1580	735	515
7	446	417	431	345	310	460	783	1330	7520	1530	716	504
8	423	424	430	349	275	502	771	1190	7000	1470	706	519
9	402	395	414	350	285	533	762	1090	7260	1460	694	590
10	381	430	402	345	295	535	773	1040	6580	1390	674	532
11	395	432	395	335	290	533	748	1010	6340	1490	658	515
12	410	436	380	325	310	532	704	953	6510	1550	644	493
13	379	424	385	330	330	515	674	924	6330	1310	630	480
14	378	415	387	336	356	503	689	941	6080	1230	620	482
15	386	397	380	335	386	481	656	922	6320	1190	610	486
16	376	381	378	340	408	472	682	949	6030	1220	589	469
17	379	393	369	359	445	459	648	967	5970	1310	581	465
18	368	389	367	358	480	456	615	1070	5410	1130	569	522
19	365	363	366	360	508	434	599	1320	4860	1100	560	544
20	363	357	361	370	546	423	589	2000	4570	1030	563	593
21	361	359	352	371	569	419	691	2870	4020	1000	598	571
22	379	355	347	365	583	433	937	2700	3600	964	670	538
23	384	345	348	355	577	471	1220	2370	3540	952	613	514
24	455	359	348	350	589	526	1320	2470	3600	924	633	503
25	508	369	340	340	589	563	1140	2610	3550	975	701	508
26	495	369	339	335	583	595	1000	3720	3390	1220	682	507
27	469	370	334	340	571	589	919	4480	3210	1090	620	514
28	458	371	333	345	548	585	892	5930	3030	1090	592	516
29	447	386	327	353	---	567	853	6700	2790	967	572	509
30	431	402	322	361	---	567	806	7070	2510	915	612	507
31	427	---	316	362	---	563	---	7650	---	888	633	---
TOTAL	12293	11829	11660	10735	12009	15675	23896	72931	171780	41065	20472	15685
MEAN	397	394	377	346	429	506	797	2353	5726	1325	660	523
MAX	508	456	432	371	589	595	1320	7650	9210	2270	853	593
MIN	327	345	316	319	275	419	599	815	2510	888	560	465
CFSM	.82	.81	.78	.71	.88	1.04	1.64	4.84	11.8	2.73	1.36	1.08
IN.	.94	.91	.89	.82	.92	1.20	1.83	5.58	13.15	3.14	1.57	1.20
AC-FT	24380	23460	23170	21290	23820	31090	47400	144700	340700	81450	40610	31110

CAL YR 1985 TOTAL 299032 MEAN 819 MAX 6780 MIN 310 CFSM 1.69 IN. 22.89 AC-FT 593100
WTR YR 1986 TOTAL 420050 MEAN 1151 MAX 9210 MIN 275 CFSM 2.37 IN. 32.15 AC-FT 833200

13010500 JACKSON LAKE NEAR MORAN, WY

LOCATION.--Lat 43°51'33", long 110°35'23", in SE¼SW¼ sec. 18, T.45 N., R.114 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, near left end of spillway over Jackson Lake Dam on Snake River, 4.3 mi west of Moran and at mile 988.9.

DRAINAGE AREA.--807 mi².

PERIOD OF RECORD.--July 1908 to September 1979, (1908-10 fragmentary), October 1984 to current year. Prior to October 1968, published as "at Moran."

REVISED RECORDS.--WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,700.00 ft, U.S. Bureau of Reclamation datum. National Geodetic Vertical Datum of 1929 is 2.08 ft lower. July 1908 to June 1, 1941, nonrecording gage at site 300 ft upstream at same datum. June 1, 1941, to Feb. 17, 1978, nonrecording gage at same site and datum.

REMARKS.--Reservoir was formed by log crib dam built in the outlet of the natural lake in 1906. Usable capacity was 300,000 acre-ft. This dam washed out in July 1910 and was replaced by an earth dam, forming a reservoir with a usable capacity of 380,000 acre-ft. The earth dam was raised in 1916, increasing the usable capacity to 790,000 acre-ft. In 1917, by dredging the outlet, the capacity was further increased to 847,000 acre-ft between elevations 6,730 ft (top of baffles to sluices) and 6,769 ft (top of spillway gates). Reservoir is used to store water for irrigation in Snake River valley, Idaho. Figures given herein represent usable contents.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 859,530 acre-ft July 11, 1965, elevation, 6,769.49 ft; no usable contents for several days during period August to October 1919.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 335,400 acre-ft June 24, elevation, 6,747.38 ft; minimum, 45,100 acre-ft May 20, elevation, 6,732.60 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

6,732	34,600
6,734	70,000
6,740	182,500
6,750	392,900

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145200	153300	153300	146200	149600	155900	120200	89400	132500	315800	282200	190400
2	144600	153800	153800	146400	150200	154200	119600	84500	157100	313000	281700	184300
3	144200	154600	154400	146200	150600	152300	118800	82700	175900	310600	281500	179200
4	143900	155600	155000	146000	151000	150400	118500	83000	192600	308700	280900	173800
5	144200	156300	154800	146000	151000	149000	117700	83400	210200	305000	280300	168500
6	145200	157500	154800	146400	151000	149000	117600	82300	229800	300800	279600	163400
7	146000	158000	154600	146500	151000	148600	117200	78100	243400	296500	279400	159000
8	146200	158400	154200	145800	150800	148500	116800	75100	255000	292300	278200	153600
9	146400	158400	154000	145000	150400	147300	116600	71100	264800	289100	276900	151200
10	146400	158400	153300	145200	150000	146200	116100	67900	269200	286400	275900	147900
11	146400	159200	152700	145600	150200	145000	114800	64800	270200	287400	274600	144000
12	146700	158800	152300	145800	150400	143300	114400	60200	271500	287600	272500	140500
13	147000	158800	152100	145800	151200	142200	114000	56800	272500	287000	270600	136500
14	146700	158400	151700	145600	153100	140600	112500	54300	276500	286200	268500	132500
15	146900	157500	151500	145600	153400	139100	110900	51500	283400	285300	265800	129300
16	146700	157500	152100	146000	153800	137600	108400	49700	291700	285100	263700	125600
17	145800	157300	150800	146400	155200	136300	105800	47300	302700	284400	261400	122400
18	145800	156300	150600	146700	157300	134400	104400	46200	312700	283200	259200	120000
19	145800	155800	150400	147100	159800	133100	101400	46600	320900	283200	255200	117600
20	145600	154800	150000	147300	160400	132200	99400	47400	329900	283400	250500	113100
21	146000	154600	149600	147700	161300	129700	98300	53100	332800	284000	246300	110100
22	146400	154000	149200	148100	161700	128800	96300	57700	333800	284000	241200	106200
23	147300	154000	148600	148100	162100	127400	98000	59500	334900	283600	235500	103500
24	147700	153800	148300	148600	162600	125900	99400	59700	334300	283800	231000	101600
25	148300	153600	148100	148600	162100	125200	99100	60900	333800	284000	225900	99100
26	148500	153100	147900	148800	160700	123700	97400	65000	332300	285100	221400	96700
27	148900	152900	147300	148800	159600	122900	95800	72900	330400	285700	216600	95000
28	149200	153100	146700	148600	157300	120500	98200	83600	328000	284700	211200	93400
29	150400	153300	146200	149000	---	120000	97600	95800	325000	283000	206200	92600
30	150600	153300	145800	149400	---	119800	92800	103500	321100	282600	201300	93000
31	151300	---	146000	149600	---	119600	---	116800	---	282400	196000	---
MAX	151300	159200	155000	149600	162600	155900	120200	116800	334900	315800	282200	190400
MIN	143900	152900	145800	145000	149600	119600	92800	46200	132500	282400	196000	92600
(†)	6738.39	6738.49	6738.11	6738.30	6738.70	6736.71	6735.26	6736.56	6746.72	6744.90	6740.68	6735.27
(‡)	+4800	+2000	-7300	+3600	+7700	-37700	-26800	+24000	+204300	-38700	-86400	-103000

WTR YR 1986 MEAN 168800 MAX 334900 MIN 46200

CAL YR 1985 ....(‡) -134900
WTR YR 1986 ....(‡) -52600

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13011000 SNAKE RIVER NEAR MORAN, WY

LOCATION.--Lat 43°51'31", long 110°35'09", in SW¼SE¼ sec.18, T.45 N., R.114 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on left bank 1,000 ft downstream from Jackson Lake Dam, 4.1 mi west of Moran, and at mile 988.7.

DRAINAGE AREA.--807 mi^2. Mean elevation, 8,040 ft.

PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "South Fork Snake River at Moran" prior to October 1910 and as "Snake River at Moran" October 1910 to September 1968.

REVISED RECORDS.--WSP 1217: 1944(m). WSP 1347: 1906-10. WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,727.84 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to June 13, 1917, nonrecording gage, and June 14, 1917, to May 20, 1940, water-stage recorder, at site 1.5 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records good.

COOPERATION.--Gage readings for current reporting purposes provided by U.S. Bureau of Reclamation.

AVERAGE DISCHARGE.--83 years, 1,459 ft^3/s, 1,057,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft^3/s June 12, 1918, gage height, 10.41 ft, site and datum then in use; maximum gage height, 10.74 ft June 25, 1981; minimum, 0.30 ft^3/s Oct. 26, 27, 28, 1969, gage height, 0.89 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood during early June 1894 was considerably higher than that of June 12, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft^3/s June 14, gage height, 10.32 ft; minimum, 269 ft^3/s, Nov. 4, gage height, 2.31 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

2.0	168	6.0	3260
3.0	581	8.0	6290
4.0	1220	9.0	8040
5.0	2110	10.0	9910
		11.0	11900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	277	706	622	510	1520	1330	3960	5920	7120	1550	3790
2	560	277	709	618	510	1510	1340	4040	5430	6080	1550	3790
3	560	277	711	618	510	1510	1320	4130	5010	5060	1550	3790
4	560	277	712	618	510	1500	1320	4120	5520	5190	1550	3700
5	560	277	712	618	510	1490	1320	4120	5890	5160	1550	3310
6	560	285	712	618	510	1490	1320	4100	6080	5130	1540	3050
7	560	461	712	618	510	1490	1320	4360	6120	5100	1540	2960
8	555	462	712	618	571	1500	1330	4560	6570	5060	1670	2800
9	551	462	712	618	571	1490	1780	4460	7540	4470	1760	2580
10	550	462	712	572	571	1490	2090	4330	8690	4100	1760	2480
11	550	537	712	505	581	1480	2090	4150	9730	3430	1760	2490
12	550	713	712	503	582	1470	2080	4000	10300	2960	1840	2560
13	550	719	712	500	576	1460	2070	3790	10400	2950	1920	2640
14	550	718	712	500	586	1450	2050	3580	9810	2940	2030	2680
15	549	717	712	500	589	1440	2260	3380	7430	2940	2120	2670
16	545	718	712	500	591	1430	2530	3220	7090	2940	2110	2630
17	537	718	709	501	593	1420	2510	3080	4550	2950	2110	2600
18	535	718	706	505	595	1410	2480	2970	4080	2940	2240	2580
19	535	714	706	505	644	1410	2460	2910	3840	2220	2470	2560
20	535	712	706	505	681	1400	2440	2930	3860	1700	3130	2550
21	531	712	706	505	682	1400	2540	3150	5210	1660	3360	2530
22	520	712	706	505	684	1390	2700	3520	6050	1740	3620	2510
23	521	711	706	506	684	1390	2450	3780	6070	1800	3750	2480
24	526	708	706	509	739	1380	2160	3850	6640	1800	3700	2230
25	529	711	706	505	858	1370	3450	3880	7120	1800	3660	1950
26	545	707	704	505	1100	1360	3440	4030	7120	1910	3620	1900
27	545	710	700	505	1530	1350	3220	4400	7110	2040	3570	1870
28	492	706	700	505	1530	1350	1070	4890	7090	2510	3650	1840
29	332	706	700	505	---	1340	1520	5400	7060	2490	3690	1610
30	281	706	700	505	---	1340	4040	5780	7030	2180	3630	926
31	280	---	667	505	---	1340	---	5960	---	1730	3660	---
TOTAL	16114	17590	21910	16722	19108	44370	64030	124830	200360	102100	77660	78056
MEAN	520	586	707	539	682	1431	2134	4027	6679	3294	2505	2602
MAX	560	719	712	622	1530	1520	4040	5960	10400	7120	3750	3790
MIN	280	277	667	500	510	1340	1070	2910	3840	1660	1540	926
AC-FT	31960	34890	43460	33170	37900	88010	127000	247600	397400	202500	154000	154800

CAL YR 1985 TOTAL 561489 MEAN 1538 MAX 7530 MIN 277 AC-FT 1114000
WTR YR 1986 TOTAL 782850 MEAN 2145 MAX 10400 MIN 277 AC-FT 1553000

13011500 PACIFIC CREEK AT MORAN, WY

LOCATION.--Lat 43°51'04", long 110°30'59", in SW¼NW¼ sec.23, T.45 N., R.114 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on left bank 40 ft upstream from bridge on U.S. Highway 287, at Moran, and at mile 0.5.

DRAINAGE AREA.--169 mi^2. Mean elevation, 8,160 ft.

PERIOD OF RECORD.--July to November 1906 (gage heights only), July 1917 to September 1918 (no winter records), September 1944 to September 1975, July 1978 to current year. Published as "near Moran" prior to October 1968.

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above National Geodetic Vertical Datum of 1929, from topographic map. July 31 to Nov. 11, 1906, nonrecording gage at site 0.4 mi downstream at different datum. July 20, 1917, to Sept. 30, 1918, nonrecording gage at site 0.1 mi downstream at different datum. Sept. 23, 1944, to Nov. 13, 1959, at site 100 ft upstream at same datum. Nov. 14, 1959, to Sept. 24, 1975, at site 35 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Nov. 10-12, 17, 18, Nov. 20 to Mar. 12, Mar. 14-16, May 13-20, 22-28, and Sept. 25-30. Records are good except for periods of estimated record, which are poor. No diversion or regulation.

AVERAGE DISCHARGE.--39 years (1944-75, 1979-86), 270 ft^3/s, 21.70 in./yr, 195,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,350 ft^3/s May 29, 1983, gage height, 8.33 ft; minimum daily discharge, 19 ft^3/s Dec. 31, 1979.

EXTREMES FOR CURRENT YEAR.-- Peak discharge above base of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	0100	*3630	*6.73	June 17	0215	2910	6.45

Minimum daily discharge, 23 ft^3/s Feb. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	78	63	47	46	31	142	381	3060	691	158	102
2	53	82	64	49	48	34	141	472	3030	634	146	98
3	54	79	58	47	49	33	128	701	3080	607	141	91
4	54	74	56	43	48	35	129	936	3080	576	136	82
5	51	86	57	41	44	37	137	853	3200	517	133	79
6	51	82	56	44	40	35	146	718	3260	459	126	75
7	62	84	63	42	35	38	182	644	2910	437	119	73
8	67	85	57	44	32	43	212	583	2620	416	117	73
9	62	71	53	46	36	42	235	528	2770	392	118	74
10	55	69	51	48	31	40	252	494	2150	380	117	75
11	58	70	48	46	23	44	259	458	2110	396	112	75
12	63	73	52	43	25	42	254	419	1990	487	106	75
13	59	72	51	39	28	41	247	390	1870	376	104	71
14	55	70	50	38	31	47	235	365	1840	340	102	70
15	58	68	54	43	32	54	258	375	1820	332	99	71
16	58	71	51	47	30	62	276	400	2050	369	95	71
17	58	70	53	46	31	68	271	390	2560	363	92	71
18	58	69	52	45	33	75	246	445	2540	301	88	77
19	58	68	54	44	32	71	242	500	1710	279	86	81
20	58	66	52	42	31	67	248	600	1600	254	86	84
21	58	66	48	40	34	65	293	691	1350	236	97	86
22	59	65	49	39	37	70	410	1070	1140	221	110	81
23	65	66	53	43	39	74	609	890	1100	208	100	77
24	75	68	54	42	41	78	692	780	1090	201	101	74
25	85	70	48	42	39	82	600	950	1070	204	96	84
26	84	66	44	41	37	76	527	1200	1030	233	96	81
27	83	67	46	44	35	79	452	1450	984	234	93	78
28	89	68	44	45	33	87	419	1800	945	223	88	82
29	83	70	40	47	---	107	409	2150	861	194	84	80
30	81	62	43	50	---	127	374	2740	787	179	84	81
31	86	---	45	51	---	146	---	2830	---	168	97	---
TOTAL	1993	2155	1609	1368	998	1930	9027	27223	59607	10907	3327	2372
MEAN	64.3	71.8	51.9	44.1	35.6	62.3	301	878	1987	352	107	79.1
MAX	89	86	64	51	49	146	692	2830	3260	691	158	102
MIN	51	62	40	38	23	31	128	375	787	168	84	70
CFSM	.38	.42	.31	.26	.21	.37	1.78	5.20	11.8	2.08	.63	.47
IN.	.44	.47	.35	.30	.22	.42	1.99	5.99	13.12	2.40	.73	.52
AC-FT	3950	4270	3190	2710	1980	3830	17910	54000	118200	21630	6600	4700

CAL YR 1985 TOTAL 78243 MEAN 214 MAX 1680 MIN 40 CFSM 1.27 IN. 17.22 AC-FT 155200
WTR YR 1986 TOTAL 122516 MEAN 336 MAX 3260 MIN 23 CFSM 1.99 IN. 26.97 AC-FT 243000

13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY

LOCATION.--Lat 43°50'14", long 110°26'21", in SE¼NE¼ sec.29, T.45 N., R.113 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on right bank underneath bridge on U.S. Highway 26/287, about 2 mi upstream from Lava Creek, 3.5 mi east of Moran, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--323 mi^2.

PERIOD OF RECORD.--September 1965 to current year. July to November 1906, July 1917 to September 1918, and September 1944 to September 1960, at sites about 3 mi downstream.

REVISED RECORDS.--WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,772.78 ft above National Geodetic Vertical Datum of 1929 (Federal Highway Administration bench mark).

REMARKS.--Estimated daily discharges: Nov. 9 to Mar. 23. Records good except for periods of estimated record, which are fair.

AVERAGE DISCHARGE.--21 years (1966-86), 564 ft^3/s, 23.71 in./yr, 408,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,540 ft^3/s June 9, 1981, gage height, 8.61 ft; minimum daily, 77 ft^3/s Feb. 5, 1982.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	0630	*5230	*7.48	June 28	0600	3240	6.06
June 18	0700	3920	6.79				

Minimum daily discharge, 82 ft^3/s Feb. 8.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	172	148	112	102	88	237	318	3760	2190	713	318
2	193	181	150	115	100	94	229	382	4450	2090	676	318
3	191	177	140	108	105	92	211	557	4590	2140	652	307
4	180	169	134	98	100	94	212	795	4720	2290	640	297
5	178	183	136	88	94	98	217	743	4910	2050	606	291
6	178	164	132	94	92	96	233	637	4950	1630	581	285
7	189	170	145	92	86	108	274	573	4210	1610	549	281
8	191	173	135	95	82	120	292	509	3540	1490	548	282
9	172	160	125	98	89	118	309	461	3300	1500	522	281
10	171	150	120	100	88	114	295	432	3090	1520	513	309
11	180	155	115	98	91	120	295	409	3010	1660	488	308
12	187	160	125	96	84	118	287	370	3180	2080	482	290
13	173	152	122	95	96	116	278	357	3190	1630	460	282
14	172	148	120	90	97	115	244	356	3210	1560	440	296
15	181	152	130	96	98	114	247	347	3300	1520	417	298
16	175	156	125	102	95	110	269	360	3560	1480	405	279
17	180	160	135	100	96	128	257	352	3600	1430	393	272
18	176	152	130	98	97	125	240	379	3550	1260	386	279
19	177	150	132	96	94	140	234	452	3020	1190	374	303
20	177	145	125	94	90	138	227	650	3010	1130	370	299
21	177	140	120	93	91	136	241	1020	2790	1100	377	293
22	183	136	115	91	92	150	331	1200	2510	1060	400	272
23	180	144	118	95	95	165	470	957	2480	996	369	265
24	181	148	120	93	97	174	548	862	2530	945	397	271
25	198	154	115	92	95	170	467	1000	2600	957	362	297
26	195	145	110	90	94	157	417	1430	2640	958	366	273
27	189	148	115	95	92	163	377	2000	2730	951	367	268
28	191	152	110	98	90	176	359	2490	2880	943	341	277
29	186	155	105	100	---	210	350	2830	2600	847	331	267
30	181	145	108	102	---	240	317	3100	2400	803	325	268
31	187	---	110	105	---	260	---	3300	---	738	328	---
TOTAL	5662	4696	3870	3019	2632	4247	8964	29628	100310	43748	14178	8626
MEAN	183	157	125	97.4	94.0	137	299	956	3344	1411	457	288
MAX	198	183	150	115	105	260	548	3300	4950	2290	713	318
MIN	171	136	105	88	82	38	211	318	2400	738	325	265
CFSM	.57	.49	.39	.30	.29	.42	.93	2.96	10.4	4.37	1.41	.89
IN.	.65	.54	.45	.35	.30	.49	1.03	3.41	11.55	5.04	1.63	.99
AC-FT	11230	9310	7680	5990	5220	8420	17780	58770	199000	86770	28120	17110

CAL YR 1985 TOTAL 160780 MEAN 440 MAX 3360 MIN 105 CFSM 1.36 IN. 18.52 AC-FT 318900
WTR YR 1986 TOTAL 229580 MEAN 629 MAX 4950 MIN 82 CFSM 1.95 IN. 26.44 AC-FT 455400

13018300 CACHE CREEK NEAR JACKSON, WY
(Hydrologic bench-mark station)

LOCATION.--Lat 43°27'08", long 110°42'12", in SW¼SW¼SE¼ sec. 1, T. 40 N., R. 116 W., Teton County, Hydrologic Unit 17040103, Teton National Forest, on right bank 0.7 mi upstream from Salt Lick Draw, 2.4 mi southeast of Jackson, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--10.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1962 to current year.

REVISED RECORDS.--WDR WY-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,750 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 10, 11, 14, 15, Nov. 1, 9-12, 15-17, 19-24, Dec. 4-6, 10-12, 16-18, Dec. 28 to Jan. 1, 5-16, Jan. 22 to Feb. 9, Feb. 11-17, Feb. 27 to Mar. 17. Records good except for periods of estimated record, which are fair.

AVERAGE DISCHARGE.--24 years, 13.8 ft^3/s, 17.68 in./yr, 10,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft^3/s June 24, 1971, gage height, 3.90 ft; maximum gage height, 3.97 ft June 7, 1972; minimum daily discharge, 2.1 ft^3/s Jan. 1, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 52 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	1400	184	3.30

Minimum discharge, 3.4 ft^3/s Jan. 21, gage height, 1.45 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.1	4.9	4.5	4.4	4.6	11	14	143	50	23	13
2	5.6	5.2	4.9	4.6	4.3	4.8	10	17	130	49	23	13
3	5.6	5.2	4.7	4.8	4.4	4.6	9.9	22	124	48	23	13
4	5.5	5.3	4.6	4.5	4.3	4.5	9.8	26	125	48	22	12
5	5.5	5.5	4.7	4.3	4.2	4.7	10	24	120	47	22	12
6	5.5	5.2	4.6	4.1	4.0	4.9	12	22	113	44	21	12
7	6.5	5.2	4.8	4.3	3.9	5.0	13	21	111	44	21	12
8	5.7	5.2	4.7	4.2	3.8	5.2	13	20	107	43	21	12
9	5.6	5.0	4.6	4.1	3.9	5.0	13	19	103	41	20	12
10	5.5	4.8	4.4	4.2	4.0	4.8	13	18	102	40	20	12
11	5.4	4.9	4.3	4.1	3.9	5.0	13	17	100	39	18	12
12	5.7	5.1	4.4	4.0	4.3	4.9	12	17	100	38	18	12
13	5.5	5.4	4.5	4.1	4.6	4.8	12	16	100	36	17	11
14	5.3	5.4	4.5	4.2	4.8	4.8	11	17	100	36	17	11
15	5.4	5.2	4.5	4.1	5.1	4.7	11	17	100	36	17	11
16	5.4	4.8	4.6	4.3	5.5	4.6	12	17	100	36	16	11
17	5.3	4.9	4.6	4.6	5.4	4.8	11	17	102	35	16	10
18	5.3	5.0	4.5	4.5	5.3	4.6	11	18	102	34	15	11
19	5.3	4.8	4.4	4.4	5.2	4.6	11	21	100	33	15	11
20	5.3	4.7	4.5	4.4	5.0	4.6	11	31	95	32	15	11
21	5.4	4.6	4.5	4.3	4.9	4.8	14	41	91	31	15	11
22	5.5	4.7	4.6	4.1	4.8	5.0	18	40	70	30	15	10
23	5.6	4.9	4.6	4.3	5.0	5.2	23	33	60	30	15	10
24	6.4	5.0	4.6	4.2	5.5	5.5	22	32	58	30	15	10
25	5.8	5.1	4.6	4.1	5.5	5.5	19	37	57	28	16	10
26	5.6	5.1	4.6	4.2	5.3	5.4	17	49	56	28	16	10
27	5.5	5.0	4.6	4.3	5.1	5.8	15	62	53	27	15	10
28	5.6	5.0	4.5	4.3	4.8	6.8	15	81	52	26	14	10
29	5.4	5.0	4.4	4.4	---	8.7	15	100	53	25	13	10
30	5.3	4.9	4.3	4.4	---	10	14	127	52	24	13	10
31	5.2	---	4.4	4.5	---	11	---	127	---	24	13	---
TOTAL	171.8	151.2	141.4	133.4	131.2	169.2	401.7	1120	2779	1112	540	335
MEAN	5.54	5.04	4.56	4.30	4.69	5.46	13.4	36.1	92.6	35.9	17.4	11.2
MAX	6.5	5.5	4.9	4.8	5.5	11	23	127	143	50	23	13
MIN	5.2	4.6	4.3	4.0	3.8	4.5	9.8	14	52	24	13	10
CFSM	.52	.48	.43	.41	.44	.52	1.26	3.41	8.74	3.39	1.64	1.06
IN.	.60	.53	.50	.47	.46	.59	1.41	3.93	9.75	3.90	1.90	1.18
AC-FT	341	300	280	265	260	336	797	2220	5510	2210	1070	664

CAL YR 1985 TOTAL 3356.9 MEAN 9.20 MAX 37 MIN 3.2 CFSM .87 IN. 11.78 AC-FT 6660
WTR YR 1986 TOTAL 7185.9 MEAN 19.7 MAX 143 MIN 3.8 CFSM 1.86 IN. 25.22 AC-FT 14250

13018300 CACHE CREEK NEAR JACKSON, WY--Continued
(Hydrologic benchmark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
NOV											
18...	1415	5.5	318	8.80	-6.0	0.5	11.3	98	K5	82	180
JAN											
13...	1748	3.8	343	8.10	-8.0	0.5	11.5	98	36	K6	190
MAR											
18...	1033	4.0	320	8.20	-3.0	0.0	11.8	103	230	28	180
MAY											
14...	1450	17	356	8.30	5.0	5.0	9.7	98	<1	<1	--
JUL											
16...	1722	37	283	8.50	15.0	8.5	10.0	108	28	68	120
SEP											
18...	1149	10	311	8.10	4.5	5.5	10.0	100	39	57	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV										
18...	49	15	2.6	3	0.7	193	12	0.8	<0.1	5.4
JAN										
13...	48	16	2.7	3	0.7	179	7.4	0.9	0.1	5.3
MAR										
18...	48	15	3.3	4	0.6	170	7.6	0.8	0.1	5.2
MAY										
14...	--	--	--	--	--	195	--	--	--	--
JUL										
16...	35	8.1	6.4	10	1.3	167	22	5.5	0.3	8.6
SEP										
18...	--	--	--	--	--	178	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
NOV										
18...	180	200	0.24	2.7	<0.10	0.03	0.2	0.02	0.06	0.05
JAN										
13...	178	190	0.24	1.8	0.12	0.03	0.2	0.01	0.01	0.02
MAR										
18...	185	180	0.25	2.0	<0.10	<0.01	0.3	0.01	0.01	0.01
MAY										
14...	--	--	--	--	<0.10	0.05	0.2	0.03	<0.01	0.02
JUL										
16...	154	200	0.21	15	<0.10	0.04	0.6	0.02	0.01	0.01
SEP										
18...	--	--	--	--	<0.10	0.04	0.2	0.02	0.01	0.01

K Results based on counts outside ideal colony count range.

13018300 CACHE CREEK NEAR JACKSON, WY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)
NOV 18...	<10	37	<0.5	<1	<1	<3	1	9	1	5
MAR 18...	<10	45	<0.5	<1	3	<3	<1	4	<1	5

DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 18...	3	<0.1	<10	2	<1	<1	92	<6	15
MAR 18...	<1	<0.1	<10	1	<1	<1	79	<6	7

DATE	SEDIMENT, SUS-PENDED (MG/L)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV 18...	67	0.99	59
MAR 18...	71	0.77	39
MAY 14...	85	3.9	56
JUL 16...	13	1.3	71
SEP 18...	12	0.32	85

13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°22'20", long 110°44'17", in NE¼SE¼ sec.3, T.39 N., R.116 W., Teton County, Hydrologic Unit 17040103, on left bank 20 ft upstream from county road bridge, about 1 mi downstream from Flat Creek, 4.8 mi upstream from Hoback River, 7.0 mi south of Jackson, and at mile 938.9.

DRAINAGE AREA.--2,627 mi^2.

PERIOD OF RECORD.--November 1975 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 23-27, Dec. 4-8, Dec. 10 to Feb. 15, and Sept. 30. Records good except for periods of estimated record, which are fair.

AVERAGE DISCHARGE.--10 years (1977-86), 3,862 ft^3/s, 2,798,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft^3/s June 6, 1986, gage height, 10.22 ft; minimum daily, 780 ft^3/s Dec. 31, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,600 ft^3/s June 6, gage height, 10.22 ft; minimum daily, 1,130 ft^3/s Feb. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1880	1530	1680	1600	1280	2610	3060	5700	20800	14300	4710	5550
2	1860	1510	1710	1620	1260	2580	3000	5840	22700	14000	4550	5610
3	1850	1510	1740	1580	1290	2580	2870	6620	23400	11900	4450	5540
4	1800	1490	1680	1520	1310	2550	2830	7670	23900	12100	4360	5510
5	1800	1490	1630	1440	1260	2550	2790	8040	24400	12000	4300	5270
6	1800	1490	1600	1390	1220	2560	2820	7650	24900	11200	4220	4870
7	1860	1530	1660	1400	1170	2610	2940	7400	24100	10700	4130	4680
8	1890	1710	1690	1410	1130	3070	3160	7610	22500	10600	4130	4630
9	1840	1670	1710	1400	1180	3150	3310	7270	22600	10200	4280	4500
10	1800	1610	1680	1390	1230	2900	3810	7100	22300	9410	4220	4330
11	1770	1600	1630	1370	1200	2770	3920	6880	22200	9120	4130	4230
12	1800	1740	1660	1350	1260	2710	3910	6470	23000	8830	4080	4200
13	1830	1860	1680	1310	1330	2670	3830	6190	23100	8360	4130	4260
14	1790	1850	1700	1280	1430	2630	3660	5980	22900	7900	4130	4300
15	1770	1820	1650	1260	1540	2570	3600	5720	21100	7790	4200	4340
16	1770	1790	1650	1300	1720	2540	4030	5520	20700	7860	4150	4300
17	1760	1790	1690	1340	1660	2520	4110	5360	19400	7890	4130	4240
18	1750	1800	1670	1320	1770	2500	3980	5240	17700	7650	4060	4380
19	1720	1740	1640	1270	1950	2480	3910	5390	16300	7260	4160	4370
20	1720	1710	1610	1280	1900	2490	3890	5980	15300	6080	4480	4390
21	1720	1700	1560	1290	1770	2520	3980	7380	15000	5730	5170	4310
22	1750	1660	1520	1280	1750	2600	4480	8980	15700	5430	5270	4190
23	1930	1620	1580	1300	1790	2680	5170	9040	15000	5420	5600	4120
24	2040	1560	1620	1260	1960	2750	5230	8480	15000	5450	5670	4130
25	1960	1580	1600	1230	2130	2760	5840	8680	16000	5480	5660	3780
26	1900	1630	1560	1200	2210	2670	5990	10100	15800	5570	5710	3620
27	1870	1650	1600	1220	2480	2660	5660	12400	15700	5760	5620	3580
28	1850	1670	1580	1240	2630	2720	4760	14700	15800	5880	5490	3530
29	1760	1730	1550	1280	---	2850	3210	16800	15600	5910	5580	3260
30	1620	1720	1520	1300	---	3000	4620	19000	15000	5720	5540	2750
31	1540	---	1560	1310	---	3120	---	19600	---	5200	5530	---
TOTAL	56000	49760	50610	41740	44820	83370	118370	264790	587900	256700	145840	130770
MEAN	1806	1659	1633	1346	1601	2689	3946	8542	19600	8281	4705	4359
MAX	2040	1860	1740	1620	2630	3150	5990	19600	24900	14300	5710	5610
MIN	1540	1490	1520	1200	1130	2480	2790	5240	15000	5200	4060	2750
AC-FT	111100	98700	100400	82790	88900	165400	234800	525200	1166000	509200	289300	259400

CAL YR 1985 TOTAL 1243470 MEAN 3407 MAX 15200 MIN 1300 AC-FT 2466000
WTR YR 1986 TOTAL 1830670 MEAN 5016 MAX 24900 MIN 1130 AC-FT 3631000

13019438 LITTLE GRANITE CREEK AT MOUTH, NEAR BONDURANT, WY

LOCATION.--Lat 43°17'56", long 110°31'33", NW¼SW¼ sec. 34, T.39 N., R.114 W., Teton County, Hydrologic Unit 17040103, Teton National Forest, 11.3 mi east of Hoback Junction on U.S. 187/189 and 1.4 mi northeast of U.S. 187/189 on Granite Creek Road.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1981 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,390 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1, 4, 5, 11, 13, 14, 16, Oct. 29 to Nov. 1, Nov. 9-21, 26, Dec. 4-7, 12, 20-23, Jan. 5, 6, Jan. 23 to Feb. 1, Feb. 5-20, Feb. 22 to Mar. 24 and June 1, 2. Records good except for periods of estimated record, which are fair. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 876 ft^3/s May 29, 1983, gage height, 3.86 ft, maximum gage height, 4.1 ft Feb. 25, 1982 (backwater from ice); minimum daily, 2.5 ft^3/s Feb. 5, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 724 ft^3/s June 4, gage height, 3.90 ft; minimum, 3.8 ft^3/s Dec. 11, gage height, 1.23 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.3	4.9	4.8	5.4	7.0	54	61	410	90	27	15
2	5.6	5.4	4.8	4.6	5.3	7.4	50	74	460	85	27	16
3	5.5	5.2	4.5	4.9	5.4	7.4	44	105	480	85	27	15
4	5.2	5.1	4.7	4.8	5.3	7.3	43	118	536	83	27	14
5	5.1	6.0	4.9	4.9	5.1	7.8	43	107	558	74	25	14
6	5.2	5.2	4.8	5.2	4.7	8.5	45	94	461	66	24	14
7	7.3	5.2	5.0	4.7	4.5	9.3	52	86	396	65	22	14
8	6.1	5.0	5.0	4.6	4.3	10	53	79	312	62	22	14
9	6.1	4.9	4.9	4.6	4.5	11	55	75	260	60	22	15
10	5.9	4.8	4.7	4.6	4.7	11	55	72	259	56	22	15
11	5.8	5.2	4.6	4.6	4.5	11	57	69	273	52	21	14
12	6.0	5.5	4.7	4.6	4.9	12	57	67	266	50	20	13
13	5.9	5.9	4.8	4.8	5.4	12	56	69	268	47	19	13
14	5.7	5.8	4.8	5.0	5.8	12	52	73	262	47	19	13
15	5.9	5.6	4.7	5.0	6.4	13	51	75	243	48	19	13
16	5.6	5.4	4.6	5.1	7.0	14	50	74	228	51	18	12
17	5.7	5.6	4.6	5.0	6.4	15	49	75	211	50	18	11
18	5.6	5.4	4.8	5.3	6.1	14	46	84	182	45	17	11
19	5.6	5.2	5.2	5.3	5.8	14	44	106	158	42	17	11
20	5.6	4.9	6.1	5.3	5.7	15	47	170	147	40	17	11
21	5.5	4.7	6.4	5.1	5.4	17	66	221	127	39	18	11
22	5.5	4.9	5.8	4.7	5.2	19	88	207	122	38	18	11
23	5.6	4.8	5.7	4.8	5.7	21	112	187	115	38	17	10
24	8.8	4.9	5.3	4.9	6.4	24	114	197	111	38	18	11
25	8.0	4.8	5.3	4.6	7.2	25	98	234	110	36	18	11
26	7.4	4.9	5.1	4.7	7.4	25	81	325	109	35	18	11
27	7.2	5.0	5.0	4.7	7.1	25	74	321	107	34	18	11
28	6.5	4.9	5.0	4.8	6.9	27	70	326	104	32	17	11
29	6.0	4.8	4.8	4.9	---	36	66	362	100	31	16	10
30	5.8	4.8	4.8	5.0	---	45	61	341	94	29	16	10
31	5.4	---	4.8	5.2	---	54	---	369	---	28	16	---
TOTAL	186.6	155.1	155.1	151.3	158.5	536.7	1833	4823	7469	1578	620	375
MEAN	6.02	5.17	5.00	4.88	5.66	17.3	61.1	156	249	50.9	20.0	12.5
MAX	8.8	6.0	6.4	5.3	7.4	54	114	369	558	90	27	16
MIN	5.1	4.7	4.5	4.6	4.3	7.0	43	61	94	28	16	10
AC-FT	370	308	308	300	314	1060	3640	9570	14810	3130	1230	744

CAL YR 1985 TOTAL 9453.2 MEAN 25.9 MAX 211 MIN 4.5 AC-FT 18750
WTR YR 1986 TOTAL 18041.3 MEAN 49.4 MAX 558 MIN 4.3 AC-FT 35780

13019438 LITTLE GRANITE CREEK AT MOUTH, NR BONDURANT, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1981 to current year.
PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: December 1981 to September 1985 (discontinued).
INSTRUMENTATION.--PS-69 automatic sediment sampler.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily, 3,150 mg/L May 16, 1984; minimum daily, 2 mg/L Dec. 11, 1981.
SEDIMENT LOADS: Maximum daily, 2,130 tons, May 16, 1984; minimum daily, 0.02 tons, Dec. 11, 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT									
09...	1500	6.1	421	8.50	5.0	6.0	11.8	119	K2
DEC									
18...	0845	4.9	440	8.40*	-0.5	0.0	--	--	--
MAR									
17...	1340	13	450	8.20	2.5	5.0	--	--	--
MAY									
14...	0755	71	381	8.30	1.5	2.0	10.4	96	K2
SEP									
18...	0810	14	415	8.20	8.5	6.0	10.3	102	K15

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3
OCT									
09...	K14	240	69	16	4.4	4	0.1	0.8	183
DEC									
18 ..	--	250	74	16	4.8	4	0.1	1.0	--
MAR									
17...	--	250	74	16	6.0	5	0.2	1.0	213
MAY									
14...	K2	200	62	12	3.4	3	0.1	0.9	199
SEP									
18...	55	230	66	15	3.6	3	0.1	0.9	205

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT									
09...	52	0.9	<0.1	4.6	260	0.35	4.3	<0.10	<0.01
DEC									
18...	65	1.1	0.1	5.2	270	0.37	3.6	0.12	<0.01
MAR									
17...	62	1.4	0.1	5.1	290	0.4	10	<0.10	0.01
MAY									
14...	18	0.8	<0.1	5.1	220	0.3	42	<0.10	0.05
SEP									
18...	41	1.3	0.3	4.4	260	0.35	9.5	<0.10	0.01

K Results based on counts outside colony count range.
* Laboratory value.

13019438 LITTLE GRANITE CREEK AT MOUTH, NEAR BONDURANT, WY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
OCT					
09...	1500	6.1	91	1.5	71
MAY					
08...	1151	81	112	24	74
14...	0930	71	103	20	70
20...	1340	130	151	53	67
28...	1105	298	801	644	54
JUN					
03...	1118	403	870	947	53
12...	1315	250	128	86	67
18...	0955	180	111	54	76
26...	1330	104	80	22	84
JUL					
10...	1440	57	58	8.9	70
16...	0930	46	43	5.3	70

13019430 GRANITE CREEK NEAR BONDURANT, WY

WATER-QUALITY RECORDS

LOCATION.--Lat 43°17'44", long 110°29'58", in sec. 35, T.35 N, R.114 W., Teton County, at Chevron Oil Co. bridge crossing, 1.0 mi upstream of Little Granite Creek confluence, 2.5 mi upstream from mouth, and 12.3 mi east of Hoback Junction on U.S. Highway 187/189.

PERIOD OF RECORD.--June 1983 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
OCT							
09...	1120	65	246	4.0	--	--	--
DEC							
18...	1300	49	276	0.0	--	--	--
MAY							
09...	1040	169	308	2.0	46	21	85
14...	1110	138	303	7.0	--	--	--
21...	1330	367	280	8.5	65	64	74
28...	1400	652	267	9.0	81	143	60
JUN							
04...	1100	1030	226	6.0	246	684	66
13...	1240	980	197	8.5	62	164	63
18...	1306	948	195	7.0	66	169	66
27...	1200	922	181	--	47	117	66
JUL							
02...	1307	654	181	10.0	15	26	75
11...	0946	471	183	7.0	12	15	82
16...	1237	623	175	8.5	18	30	73

13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°11'47", long 110°53'18", Lincoln County, Hydrologic Unit 17040103, on right bank 0.3 mi downstream from Wolf Creek, 6.4 mi upstream from Greys River, 7.4 mi east of Alpine, 16.1 mi upstream from Palisades Dam, and at mile 917.5.

DRAINAGE AREA.--3,465 mi².

PERIOD OF RECORD.--March 1937 to March 1939, published as "above Greys River, near Alpine," July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,683.90 ft above National Geodetic Vertical Datum of 1929. Mar. 16, 1937, to Mar. 31, 1939, at site 6.0 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 21-27, Dec. 5-8, and Dec. 10 to Feb. 13. Records good.

AVERAGE DISCHARGE.--34 years (1938, 1954-86), 4,677 ft³/s, 3,388,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft³/s June 6, 1986; minimum, 740 ft³/s Nov. 16, 1955, gage height, 2.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 31,300 ft³/s June 6; minimum daily discharge, 1,300 ft³/s Feb. 8.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 21-27, Dec. 5-8, Dec. 10 to Feb. 13)

2.5	1060	7.0	10200
3.0	1650	9.0	16600
4.0	3190	11.0	24400
5.0	5150	12.6	31300
6.0	7570		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2140	1800	1990	1850	1440	3150	4870	8170	26500	17300	6160	6560
2	2130	1780	2050	1870	1430	3120	4610	8780	27900	16900	5930	6610
3	2110	1770	2090	1870	1470	3110	4280	10300	28400	14900	5810	6520
4	2050	1740	2010	1750	1490	3080	4240	12000	29300	15200	5770	6470
5	2040	1780	1940	1680	1460	3080	4150	11700	30100	14900	5640	6240
6	2040	1770	1850	1600	1430	3120	4350	10700	31300	13800	5520	5810
7	2120	1820	1900	1620	1380	3190	4750	10300	30600	13100	5400	5580
8	2210	2070	1930	1640	1300	3890	5030	10100	28100	13000	5410	5520
9	2130	1940	1980	1620	1350	4250	5310	9690	27000	12700	5500	5430
10	2060	1880	1900	1610	1380	3760	5760	9280	26700	11900	5410	5310
11	2030	1870	1870	1600	1360	3520	6190	9050	26500	11500	5290	5130
12	2090	2040	1890	1550	1400	3410	6170	8720	27300	11100	5220	5060
13	2090	2210	1920	1520	1500	3330	5970	8470	27700	10700	5260	5110
14	2040	2150	1960	1470	1590	3260	5510	8580	27700	10100	5220	5210
15	2040	2120	1900	1450	1740	3170	5370	8380	26500	9970	5280	5230
16	2040	2050	1950	1500	2020	3120	6020	8220	25400	10000	5230	5180
17	2020	2090	1980	1520	1930	3110	6130	8040	24400	10200	5180	5100
18	2010	2130	1950	1480	2050	3080	5790	8030	22100	9740	5100	5250
19	1990	2020	1900	1420	2370	3050	5700	8560	20800	9310	5160	5280
20	1980	1920	1860	1450	2270	3070	5950	9830	19300	8130	5430	5300
21	1990	1850	1840	1440	2080	3160	7220	11900	18600	7680	6230	5200
22	2030	1820	1820	1420	2050	3310	8380	13700	19100	7300	6410	5070
23	2270	1760	1860	1470	2120	3460	9810	13400	18400	7270	6710	4990
24	2440	1810	1900	1410	2320	3620	10100	12000	18400	7330	6790	5020
25	2330	1880	1870	1370	2570	3670	9440	12300	19300	7340	6740	4760
26	2250	1920	1840	1330	2680	3500	9060	14300	19200	7390	6820	4510
27	2190	2000	1870	1380	2940	3550	8360	17200	19200	7490	6710	4490
28	2170	2120	1850	1400	3180	3770	7520	19500	19400	7530	6540	4480
29	2100	2150	1820	1440	---	4140	5870	21400	19100	7580	6610	4380
30	1930	2050	1800	1460	---	4630	6600	23500	18400	7330	6560	4040
31	1820	---	1830	1480	---	5060	---	25700	---	6730	6570	---
TOTAL	64880	58310	59120	47670	52300	107740	188510	371800	722700	325420	181610	158840
MEAN	2093	1944	1907	1538	1868	3475	6284	11990	24090	10500	5858	5295
MAX	2440	2210	2090	1870	3180	5060	10100	25700	31300	17300	6820	6610
MIN	1820	1740	1800	1330	1300	3050	4150	8030	18400	6730	5100	4040
AC-FT	128700	115700	117300	94550	103700	213700	373900	737500	1433000	645500	360200	315100

CAL YR 1985 TOTAL 1503670 MEAN 4120 MAX 17000 MIN 1430 AC-FT 2983000
WTR YR 1986 TOTAL 2338900 MEAN 6408 MAX 31300 MIN 1300 AC-FT 4639000

13023000 GREYS RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°08'35", long 110°58'34", in SW¼SE¼ sec.34, T.37 N., R.118 W. (unsurveyed), Lincoln County, Hydrologic Unit 17040103, on right bank at Bridge Campground, 3.6 mi southeast of Alpine, 3.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--448 mi^2. Mean elevation, 8,080 ft.

PERIOD OF RECORD.--July to September 1917, June to September 1918, March 1937 to March 1939, October 1953 to current year. Published as "Greys River near Alpine, Idaho," 1917-18, and as "Greys River near Alpine, Wyo.," 1937-39.

REVISED RECORDS.--WDR Idaho 1967: 1966.

GAGE.--Water-stage recorder. Elevation of gage is 5,720 ft above National Geodetic Vertical Datum of 1929, from topographic map. July 6 to Sept. 30, 1917, and June 4 to Sept. 30, 1918, nonrecording gage, and Mar. 17, 1937, to Mar. 31, 1939, water-stage recorder, at site 1.8 mi downstream, and October 1953 to Sept. 22, 1965, water-stage recorder at site 1 mi downstream at different datums.

REMARKS.--Estimated daily discharges: Oct. 2-7, Nov. 21, 22, 25, Nov. 27 to Feb. 19, Feb. 24-28. Records good except for periods of estimated record, which are fair. Less than 500 acres irrigated by diversions from Greys River and tributaries above station.

AVERAGE DISCHARGE.--34 years (1938, 1954-86), 671 ft^3/s, 20.34 in./yr, 486,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,230 ft^3/s June 19, 1971, gage height, 6.33 ft; maximum gage height observed, 19.1 ft former site and datum about Dec. 18, 1965 (ice jam); minimum, 84 ft^3/s Feb. 17, 1986, result of current-meter measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
April 23	1915	2560	4.30	May 3	2245	2700	4.41
May 21	2100	3580	4.90	June 6	0530	*6090	*6.40

Minimum discharge, 84 ft^3/s Feb. 17, result of current-meter measurement.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 20-22, May 25 to June 1 and July 6 to Sept. 30;
stage-discharge relation affected by ice Nov. 21, 22, 25, Nov. 27 to Feb. 19)

1.0	122	4.0	2200
2.0	520	5.0	3520
3.0	1200	6.0	5300
		6.5	6300

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	265	190	190	160	178	1180	1130	5090	2390	940	609
2	280	271	195	200	155	187	1010	1480	5340	2260	916	599
3	282	263	202	205	165	195	874	2020	5490	2170	897	585
4	284	257	192	190	160	199	838	2490	5680	2240	895	579
5	290	299	182	170	155	202	802	2120	5700	2190	873	568
6	298	288	182	180	145	214	809	1810	5580	1910	858	563
7	315	290	208	190	140	232	1070	1630	5130	1780	833	559
8	328	291	214	180	135	388	1070	1480	4750	1700	838	558
9	301	252	204	165	155	518	1110	1360	4280	1660	834	555
10	285	246	195	175	180	433	1060	1280	4100	1640	803	552
11	284	264	187	170	170	371	1060	1240	3960	1550	783	550
12	297	273	195	165	175	327	1070	1170	3940	1460	768	538
13	290	273	205	160	180	301	1040	1130	3970	1410	751	531
14	270	258	200	155	165	282	929	1320	4110	1390	745	525
15	276	250	215	165	180	269	934	1360	4160	1400	734	525
16	268	221	202	175	200	266	1030	1460	4100	1370	721	520
17	270	255	206	165	225	262	967	1460	4020	1370	718	516
18	266	263	210	160	240	259	894	1650	3820	1300	701	515
19	265	232	215	150	250	259	875	2130	3560	1250	689	515
20	263	215	210	160	234	263	956	2780	3530	1220	688	515
21	265	205	205	158	202	284	1390	3360	3340	1190	715	507
22	290	195	195	155	196	343	1920	2930	3120	1150	692	489
23	310	190	200	152	215	388	2380	2260	2980	1140	675	482
24	352	200	205	150	235	465	2300	2350	2960	1140	684	482
25	321	205	200	155	245	492	1870	2690	2920	1140	659	482
26	303	199	190	160	230	470	1540	3280	2850	1120	660	482
27	293	190	185	170	205	528	1320	4160	2830	1090	646	495
28	290	200	190	175	185	666	1190	4440	2790	1060	624	497
29	289	195	185	180	---	910	1140	4410	2700	1020	613	492
30	281	192	180	165	---	1110	1060	4680	2560	984	613	488
31	279	---	200	170	---	1330	---	4880	---	963	617	---
TOTAL	8967	7197	6154	5260	5282	12591	35778	71950	119360	45657	23183	15873
MEAN	289	240	199	170	189	406	1193	2321	3979	1473	748	529
MAX	352	299	215	205	250	1330	2380	4880	5700	2390	940	609
MIN	263	190	180	150	135	178	802	1130	2560	963	613	482
CFSM	.65	.54	.44	.38	.42	.91	2.66	5.18	8.88	3.29	1.67	1.18
IN.	.74	.60	.51	.44	.44	1.05	2.97	5.97	9.91	3.79	1.93	1.32
AC-FT	17790	14280	12210	10430	10480	24970	70970	142700	236800	90560	45980	31480

CAL YR 1985 TOTAL 203209 MEAN 557 MAX 2370 MIN 180 CFSM 1.24 IN. 16.87 AC-FT 403100
WTR YR 1986 TOTAL 357252 MEAN 979 MAX 5700 MIN 135 CFSM 2.19 IN. 29.66 AC-FT 708600

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY

LOCATION.--Lat 43°04'47", long 111°02'12", in SW¼NE¼ sec.28, T.36 N., R.119 W., Lincoln County, Hydrologic Unit 17040105, on right bank 3.4 mi northwest of Etna and 8.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--829 mi^2.

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,875.78 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Estimated daily discharges: Nov. 7-10, 21, 22, 24, 25, Dec. 3, 4, 13, 14, 22-27, Jan. 2-19, 23-25, and Feb. 1-8. Records good except for periods of estimated record, which are fair. Diversions above station for power developments, industry, municipal supply, and irrigation of about 60,500 acres of which about 1,000 acre are below station (1966 determination). For details on adjudication of diversions, see Remarks for this station in WSP 1347.

AVERAGE DISCHARGE.--33 years, 819 ft^3/s, 593,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,090 ft^3/s June 2, 1986, gage height, 5.71 ft; minimum, 160 ft^3/s Jan. 7, 8, 1971, gage height, 1.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,090 ft^3/s June 2, gage height, 5.71 ft; minimum, 293 ft^3/s Dec. 11, gage height, 1.71 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 7-10, 21, 22, 24, 25, Dec. 3, 4, 13, 14, 22-27, Jan. 2-19, 23-25, Feb. 1-8; shifting-control method used Jan. 20-22, 26-31, Feb. 9 to June 14)

1.5	140	4.0	2160
2.0	435	5.0	3310
3.0	1230	6.1	5160

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	561	563	511	458	420	846	2130	2140	5000	1730	1010	869
2	557	563	519	450	400	837	1980	2240	5030	1690	983	875
3	556	561	505	430	410	812	1860	2670	5020	1650	972	875
4	553	554	490	410	400	800	1780	3140	4960	1610	955	878
5	554	562	473	390	390	801	1730	3170	4940	1580	903	893
6	552	570	491	405	380	809	1800	2990	4850	1520	877	883
7	590	560	516	420	365	828	1980	2950	4680	1480	870	888
8	617	540	516	410	355	1030	2040	2850	4490	1500	861	891
9	592	550	509	410	394	1340	2210	2850	4240	1420	877	917
10	577	570	488	425	434	1190	2250	2740	3970	1410	869	978
11	561	585	407	420	424	1100	2260	2610	3520	1390	856	933
12	558	591	427	410	425	1030	2220	2470	3140	1330	838	904
13	564	596	445	405	437	1010	2250	2320	2970	1300	819	893
14	559	579	465	400	432	996	2100	2250	2860	1260	811	879
15	553	566	476	420	496	969	2000	2310	2810	1230	799	866
16	548	535	442	435	556	947	2090	2350	2770	1220	799	864
17	542	542	457	430	558	944	2050	2340	2730	1230	795	852
18	539	555	479	420	670	898	1900	2350	2680	1130	786	876
19	535	556	472	415	802	886	1840	2560	2600	1040	775	907
20	534	545	455	430	792	876	1760	2960	2450	1010	792	899
21	531	520	442	423	702	950	2110	3470	2340	1000	888	879
22	544	495	440	404	670	1020	2490	3760	2230	984	889	860
23	586	476	430	395	717	1070	2720	3660	2120	988	853	850
24	613	490	425	380	816	1210	3200	3450	2020	1070	869	874
25	608	510	425	390	849	1340	3060	3260	1970	1120	850	933
26	590	518	420	394	855	1330	2820	3450	1910	1140	815	923
27	583	510	422	396	889	1390	2590	3840	1860	1130	844	963
28	573	523	425	418	879	1510	2400	4150	1850	1100	859	974
29	565	523	432	427	---	1740	2300	4560	1820	1080	853	926
30	563	517	444	408	---	2000	2200	4840	1770	1060	854	924
31	562	---	451	432	---	2240	---	4940	---	1030	862	---
TOTAL	17520	16325	14299	12860	15917	34749	66120	95640	95600	39432	26683	26926
MEAN	565	544	461	415	568	1121	2204	3085	3187	1272	861	898
MAX	617	596	519	458	889	2240	3200	4940	5030	1730	1010	978
MIN	531	476	407	380	355	800	1730	2140	1770	984	775	850
AC-FT	34750	32380	28360	25510	31570	68920	131100	189700	189600	78210	52930	53410

CAL YR 1985	TOTAL	278534	MEAN	763	MAX	2790	MIN	370	AC-FT	552500
WTR YR 1986	TOTAL	462071	MEAN	1266	MAX	5030	MIN	355	AC-FT	916500

13032450 PALISADES RESERVOIR NEAR IRWIN, ID

LOCATION.--Lat 43°19'49", long 111°12'20", in NW¼SE¼ sec. 17, T.1 S., R.45 E., Bonneville County, Hydrologic Unit 17040104, Caribou National Forest, on left bank on spillway structure near Palisades Dam on Snake River, 3.5 mi upstream from Palisades Creek, 7 mi southeast of Irwin, and at mile 901.6.

DRAINAGE AREA.--5,208 mi^2.

PERIOD OF RECORD.--October 1955 to September 1979, October 1984 to current year.

GAGE.--Water-stage recorder. Outside staff gages attached to concrete headwalls upstream from power and outlet tunnels. Datum of gage is at mean sea level (U.S. Bureau of Reclamation levels). National Geodetic Vertical Datum of 1929 is 0.10 ft lower.

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam; partial storage began in October 1955; full storage began in November 1956. Capacity, 1,400,000 acre-ft between elevations 5,372 (river level at original outlet tunnels) and 5,620 ft. Dead storage, 44,100 acre-ft at elevation 5,452.43 ft, elevation of completed outlet tunnels. Inactive storage for minimum power head, 199,600 acre-ft at elevation 5,497.5 ft. Water is used for irrigation in Snake River valley. Figures given herein represent total storage.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,421,000 acre-ft June 17, 18, 1963, elevation, 5,621.17 ft minimum observed, 565 acre-ft Jan. 31, 1956 (prior to filling of reservoir); minimum after first filling of reservoir in June 1958, 224,000 acre-ft Sept. 24, 25, 1960, elevation 5,502.3 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,405,000 acre-ft July 4, elevation 5,620.75 ft; minimum, 627,000 acre-ft May 20, elevation 5,557.72 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

5,550	617,200	5,590	970,500
5,560	648,500	5,600	1,100,300
5,570	747,600	5,610	1,244,500
5,580	854,300	5,621	1,417,200

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	928000	996000	1075000	1115000	1114000	1160000	834000	689000	820000	1397000	1397000	1388000
2	929000	998000	1078000	1114000	1116000	1159000	823000	688000	863000	1400000	1397000	1391000
3	930000	999000	1082000	1114000	1117000	1159000	813000	688000	908000	1403000	1397000	1393000
4	931000	1001000	1084000	1114000	1118000	1157000	808000	697000	954000	1405000	1397000	1394000
5	932000	1003000	1086000	1114000	1118000	1154000	803000	703000	999000	1403000	1396000	1394000
6	933000	1006000	1089000	1114000	1119000	1151000	799000	705000	1043000	1400000	1395000	1394000
7	935000	1009000	1091000	1113000	1120000	1146000	797000	705000	1084000	1401000	1393000	1393000
8	937000	1012000	1094000	1113000	1120000	1143000	795000	703000	1119000	1402000	1390000	1392000
9	939000	1015000	1097000	1111000	1120000	1142000	795000	701000	1150000	1401000	1388000	1392000
10	942000	1018000	1100000	1111000	1121000	1139000	795000	697000	1179000	1401000	1386000	1392000
11	944000	1020000	1101000	1110000	1122000	1135000	794000	693000	1207000	1401000	1383000	1391000
12	947000	1023000	1103000	1108000	1122000	1129000	793000	686000	1235000	1400000	1382000	1390000
13	949000	1026000	1105000	1107000	1124000	1124000	792000	676000	1263000	1400000	1380000	1389000
14	951000	1029000	1107000	1106000	1125000	1119000	787000	671000	1290000	1398000	1378000	1387000
15	953000	1033000	1110000	1105000	1127000	1110000	779000	663000	1313000	1397000	1376000	1385000
16	956000	1035000	1112000	1105000	1130000	1100000	771000	655000	1332000	1397000	1373000	1383000
17	958000	1038000	1114000	1105000	1133000	1089000	760000	646000	1348000	1397000	1370000	1381000
18	960000	1041000	1117000	1105000	1136000	1073000	749000	638000	1359000	1396000	1367000	1380000
19	962000	1044000	1120000	1105000	1140000	1055000	736000	631000	1366000	1396000	1365000	1379000
20	964000	1047000	1120000	1106000	1144000	1034000	725000	627000	1370000	1393000	1364000	1376000
21	966000	1049000	1119000	1106000	1146000	1012000	718000	632000	1372000	1393000	1365000	1373000
22	969000	1052000	1119000	1107000	1149000	991000	717000	639000	1374000	1392000	1366000	1370000
23	973000	1053000	1119000	1107000	1152000	970000	721000	642000	1374000	1392000	1368000	1368000
24	976000	1056000	1119000	1107000	1156000	950000	727000	642000	1376000	1392000	1370000	1366000
25	979000	1059000	1118000	1108000	1160000	930000	729000	641000	1378000	1392000	1372000	1363000
26	982000	1061000	1117000	1108000	1161000	910000	729000	647000	1381000	1391000	1373000	1361000
27	985000	1063000	1117000	1108000	1160000	891000	726000	661000	1385000	1392000	1375000	1358000
28	987000	1066000	1116000	1109000	1160000	873000	719000	683000	1390000	1393000	1378000	1355000
29	989000	1069000	1115000	1110000	---	860000	708000	711000	1393000	1396000	1381000	1351000
30	992000	1073000	1115000	1111000	---	849000	696000	744000	1395000	1397000	1384000	1348000
31	994000	---	1114000	1117000	---	842000	---	781000	---	1397000	1386000	---
MAX	994000	1073000	1120000	1117000	1161000	1160000	834000	781000	1395000	1405000	1397000	1394000
MIN	928000	996000	1075000	1105000	1114000	842000	696000	627000	820000	1391000	1364000	1348000
(†)	5591.88	5597.96	5601.03	5600.89	5604.27	5578.85	5564.92	5573.21	5619.63	5619.77	5619.06	5616.70
(‡)	+67	+79	+41	+3	+43	-318	-146	+85	+614	+2	-11	-38

CAL YR 1985 MEAN 1134500 MAX 1407000 MIN 890000
WTR YR 1986 MEAN 1101500 MAX 1405000 MIN 627000

CAL YR 1985 ....(‡) -156
WTR YR 1986 ....(‡) +421

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in thousands of acre-feet.

13032500 SNAKE RIVER NEAR IRWIN, ID

LOCATION.--Lat 43°21'03", long 111°13'06", in NE¼NE¼ sec.7, T.1 S., R.45 E., Bonneville County, Hydrologic Unit 17040104, on right bank at U.S. Bureau of Reclamation headquarters, 1.5 mi downstream from Palisades Dam, 2 mi upstream from Palisades Creek, 5 mi southeast of Irwin, and at mile 900.2.

DRAINAGE AREA.--5,225 mi^2.

PERIOD OF RECORD.--March to October 1935, April to October 1936, May 1949 to current year. Records for station "at Calamity Point, near Irwin" April to August 1934, April to October 1935, April to October 1936, March 1939 to September 1941 are equivalent to those for this station.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,353.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Mar. 30, 1935, to Oct. 31, 1936, water-stage recorder at site 3.5 mi downstream at different datum. May 1, 1949, to Mar. 22, 1950, nonrecording gage at site 1,100 ft downstream at datum 1.9 ft higher.

REMARKS.--No estimated daily discharges. Records excellent. Flow regulated by Jackson Lake and Palisades Reservoir. Diversion from tributaries above station for irrigation in Wyoming and Idaho of about 95,300 acres, 1966 determination.

AVERAGE DISCHARGE.--37 years (1950-86), 6,761 ft^3/s, 4,898,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,800 ft^3/s June 4-6, 1956; maximum gage height, 13.31 ft June 4, 1956; minimum, 19 ft^3/s Nov. 8, 1956, gage height, 2.43 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in early June 1894 probably was higher than that of June 4-6, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,300 ft^3/s June 18, gage height, 12.26 ft; minimum, 604 ft^3/s Nov. 8, gage height, 4.09 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Jan. 30, 31)

5.0	1690	9.0	12200
6.0	3500	10.0	15800
7.0	5900	11.0	19800
8.0	8900	12.0	24100
		12.3	25500

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2840	2030	1810	3000	2320	4970	13600	16900	19400	21900	8360	7080
2	2820	2020	1810	2990	2310	4980	14900	14600	19400	20200	8070	7060
3	2830	2010	1820	2990	2320	4980	14000	17600	19400	18600	8070	7050
4	2830	2020	1820	2970	2320	5880	10800	17000	19500	19300	8060	7550
5	2830	2030	1810	2970	2300	6020	10800	16800	19900	20300	8070	7570
6	2830	1840	1810	2980	2310	6030	10800	17300	20900	19800	8350	7580
7	2830	1810	1810	2980	2300	7860	10800	17500	21100	16900	9060	7600
8	2630	1780	1810	2970	2310	8050	10800	17500	21700	16400	9050	7580
9	2230	1810	1820	2990	2310	8060	10800	17500	21400	16700	8800	7300
10	2200	1810	1810	2990	2310	8080	11400	17500	21600	15600	8640	7290
11	2200	1810	1810	2980	2300	8080	11800	17500	21700	15500	8670	7270
12	2200	1810	1820	2990	2300	8070	11800	17500	22000	14100	8200	7290
13	2200	1820	1810	2990	2310	8070	11800	17500	22700	14500	7950	7270
14	2200	1800	1810	2990	2530	8140	12900	17500	23400	14200	8380	7300
15	2110	1810	1820	2970	2300	9300	13800	17500	23900	13800	8610	7640
16	2110	1810	1810	2980	2300	10000	14800	17500	24400	13600	8910	7650
17	2100	1810	1810	3000	2290	10600	15800	17500	25000	13400	8910	7610
18	2110	1810	1810	2980	2280	12600	15800	17500	25000	13400	8910	7620
19	2100	1810	1810	2990	2290	14300	15800	17900	25000	12900	8410	7630
20	2110	1800	2890	2790	2280	15500	15800	19500	25000	12100	8100	8220
21	2120	1800	2990	2530	2290	15800	15800	19100	25000	10700	8110	8250
22	2110	1810	2990	2500	2290	15800	15800	19000	25000	10100	8090	7990
23	2100	1810	3000	2540	2280	16200	15800	19300	25000	10100	8090	7640
24	2110	1810	3010	2520	2240	16400	15800	19500	24200	10400	8080	7650
25	2100	1810	3000	2510	2270	16300	15800	19600	24000	10400	8090	7650
26	2110	1810	2990	2320	3710	16300	15800	19600	24000	10400	8100	7670
27	2110	1810	2990	2300	4890	16400	16100	19600	23500	9920	7600	7670
28	2110	1810	3000	2320	4970	16100	16500	19600	23100	9410	7070	7680
29	2120	1810	2990	2320	---	15100	16900	19500	23100	8880	7080	7670
30	2040	1810	3000	2310	---	14900	16900	19400	23100	8860	7080	7680
31	2020	---	3000	2320	---	14900	---	19400	---	8860	7060	---
TOTAL	71360	55340	70290	85980	71230	343770	420000	561200	682400	431230	254030	226710
MEAN	2302	1845	2267	2774	2544	11090	14000	18100	22750	13910	8195	7557
MAX	2840	2030	3010	3000	4970	16400	16900	19600	25000	21900	9060	8250
MIN	2020	1780	1810	2300	2240	4970	10800	14600	19400	8860	7060	7050
AC-FT	141500	109800	139400	170500	141300	681900	833100	1113000	1354000	855300	503900	449700

CAL YR 1985 TOTAL 2324700 MEAN 6369 MAX 21500 MIN 1780 AC-FT 4611000
WTR YR 1986 TOTAL 3273540 MEAN 8969 MAX 25000 MIN 1780 AC-FT 6493000

13037500 SNAKE RIVER NEAR HEISE, ID

LOCATION.--Lat 43°36'45", long 111°39'33", in SE¼SW¼ sec.5, T.3 N., R.41 E., Bonneville County, Hydrologic Unit 17040104, on left bank 850 ft upstream from Anderson canal headgate, 2.4 mi upstream from Heise, 6 mi east of Ririe, 24 mi upstream from Henrys Fork, and at mile 853.6.

DRAINAGE AREA.--5,752 mi^2. Mean elevation, 7,770 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Prior to 1911, published as "South Fork of Snake River near Heise."

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1912.

GAGE.--Water-stage recorder. Datum of gage is 5,015.3 ft above National Geodetic Vertical Datum of 1929. Prior to July 9, 1913, nonrecording gage, and July 9, 1913, to Sept. 29, 1922, water-stage recorder at datum 2.65 ft higher.

REMARKS.--Estimated daily discharges: July 2-10. Records good. Some diurnal fluctuations during winter powerplant operations at Palisades. Riley Ditch, 1.5 mi upstream, diverted 5,280 acre-ft during the year. Diversions from tributaries above station for irrigation in Wyoming and Idaho of about 104,000 acres (1966 determination).

AVERAGE DISCHARGE.--76 years, 7,054 ft^3/s, 5,111,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 60,000 ft^3/s May 19, 1327, result of washing out of landslide on Gros Ventre River, gage height, about 16.0 ft, present datum; maximum discharge since filling of Palisades Reservoir, 27,000 ft^3/s, gage height, 8.49 ft, June 18, 1986; minimum, 460 ft^3/s Nov. 10, 12, 1956, gage height, -0.18 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in early June 1394 was estimated as 65,000 ft^3/s by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,000 ft^3/s June 18, gage height, 8.49 ft; minimum, 2,000 ft^3/s Nov. 9, gage height, 1.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3290	2630	2420	3420	2880	5530	15500	18400	22000	23900	9390	7670
2	3300	2630	2440	3400	2870	5540	16100	16700	22000	22000	9010	7690
3	3290	2620	2440	3400	2870	5560	16100	19100	21900	20100	8870	7690
4	3290	2620	2410	3380	2870	6170	12600	19700	21900	20500	8870	7750
5	3280	2630	2390	3380	2850	6710	12100	19100	22100	21500	8810	8040
6	3280	2550	2390	3410	2850	6740	12100	19300	23000	21400	8850	8240
7	3340	2430	2400	3370	2840	8000	12200	19500	23200	18400	9470	8270
8	3220	2450	2400	3370	2820	9190	12300	19400	23500	17600	9660	8280
9	2920	2400	2390	3400	2820	9480	12300	19300	23200	17800	9540	8210
10	2800	2420	2380	3410	2830	9210	12600	19300	23400	16800	9310	8080
11	2800	2430	2360	3400	2830	9120	13300	19300	23300	16700	9250	7990
12	2820	2420	2360	3400	2830	9080	13400	19200	23500	15700	9000	7980
13	2800	2430	2370	3400	2870	9020	13400	19100	24100	15200	8610	7970
14	2800	2420	2370	3390	3040	9030	13800	19100	24800	15500	8630	7960
15	2750	2400	2390	3410	2930	9650	15300	19100	25400	14800	8860	8070
16	2710	2410	2390	3440	2910	11000	15700	19200	25800	14700	9190	8270
17	2700	2430	2380	3460	2920	11100	17400	19200	26600	14400	9290	8310
18	2700	2440	2390	3430	2980	12900	17300	19200	26700	14300	9280	8330
19	2690	2420	2380	3420	3050	14900	17300	19400	26600	14100	9080	8340
20	2690	2420	2810	3340	3010	16300	17300	21400	26400	13200	8650	8460
21	2710	2410	3370	3110	2950	16900	17400	21800	26300	11900	8460	8810
22	2730	2410	3380	3020	2940	16900	17700	21200	26500	11100	8440	8880
23	2710	2400	3390	3060	2930	17100	18100	21300	26500	10700	8430	8630
24	2720	2410	3400	3030	2950	17500	18100	21200	26000	11200	8410	8380
25	2710	2430	3380	3010	2960	17400	17900	21500	25500	11200	8430	8370
26	2710	2410	3380	2930	3680	17400	17800	21700	25500	11600	8460	8380
27	2720	2410	3370	2830	5040	17400	17800	22100	25200	10900	8430	8380
28	2720	2420	3380	2850	5520	17500	18000	22200	24500	10300	8110	8410
29	2700	2430	3380	2860	---	16600	18600	22200	24500	9850	7640	8380
30	2680	2420	3390	2860	---	16400	18400	22000	24400	9680	7630	8390
31	2630	---	3400	2880	---	16500	---	21900	---	9670	7650	---
TOTAL	89210	73750	85480	100470	86540	371830	467900	623100	734300	466700	271710	246610
MEAN	2878	2458	2757	3241	3101	11990	15600	20100	24480	15050	8765	8220
MAX	3340	2630	3400	3460	5520	17500	18600	22200	26700	23900	9660	8880
MIN	2630	2400	2360	2830	2820	5530	12100	16700	21900	9670	7630	7670
AC-FT	176900	146300	169500	199300	172200	737500	928100	1236000	1456000	925700	538900	489200
MEAN †	4047	3817	2320	3268	4101	6198	12706	21865	38225	14462	7169	5857
AC-FT†	248900	227100	204200	201000	227600	381200	756000	1344700	2274400	889400	440900	348500

CAL YR 1985 TOTAL 2558730 MEAN 7010 MAX 21800 MIN 2360 AC-FT 5075000 MEAN† 6608 AC-FT† 4785200
WTR YR 1986 TOTAL 3517900 MEAN 9912 MAX 26700 MIN 2360 AC-FT 7176000 MEAN† 10420 AC-FT† 7544100

† Adjusted for storage in Jackson Lake and Palisades Reservoir; no account taken for travel time between reservoirs and Heise gaging station.

13037500 SNAKE RIVER NEAR HEISE, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1953 to September 1976, March 1978 to July 1979 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV 19...	1439	2420	444	8.20	-2.5	3.5	12.1	106	K8	26	210
JAN 15...	1451	2920	438	8.20	2.5	2.0	11.7	102	K8	21	200
MAR 26...	1450	17400	398*	8.40	22.0	6.0	--	--	<1	K12	180
MAY 09...	1320	18600	361	7.50	7.0	6.0	9.9	101	K19	K7	160
JUL 18...	1510	14000	270	8.40	18.0	12.0	9.4	104	28	21	160
SEP 19...	1145	8340	330	7.80	7.0	11.5	9.7	105	K10	37	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV 19...	58	15	16	14	2.6	176	59	22	0.4	7.2
JAN 15...	56	15	15	14	2.2	165	61	13	0.4	8.3
MAR 26...	51	13	12	12	1.9	140	51	7.8	0.4	9.5
MAY 09...	46	11	10	12	1.9	142	34	8.5	0.3	9.2
JUL 18...	44	13	1.6	2	0.6	144	3.9	0.7	<0.1	4.4
SEP 19...	--	--	--	--	--	143	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV 19...	275	290	0.37	1800	<0.10	0.03	0.2	<0.01	<0.01	0.02
JAN 15...	253	270	0.34	1990	--	--	0.2	0.01	<0.01	--
MAR 26...	237	230	0.32	11100	0.31	0.07	0.3	0.06	0.05	0.06
MAY 09...	214	210	0.29	10700	0.17	0.05	0.2	0.05	0.01	0.02
JUL 18...	159	160	0.22	6010	<0.10	0.03	0.3	0.01	0.01	0.01
SEP 19...	--	--	--	--	0.14	0.05	0.3	0.20	0.03	0.01

K Results based on counts outside ideal colony range.
* Laboratory value.

13037500 SNAKE RIVER NEAR HEISE, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
NOV 19...	20	54	<0.5	<1	1	<3	4	10	5	37
MAR 26...	10	66	>0.5	<1	<1	<3	5	<3	1	28
MAY 09...	20	77	<0.5	<1	<1	<3	2	10	2	24

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 19...	2	0.2	<10	4	<1	<1	350	<6	13
MAR 26...	3	0.2	<10	<1	<1	<1	310	<6	23
MAY 09...	7	0.2	<10	1	<1	<1	270	<6	23

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 19...	53	346	90
MAR 26...	52	2440	75
MAY 09...	33	1660	71
JUL 18...	7	265	92
SEP 19...	17	383	90

13038000 DRY BED NEAR RIRIE, ID

LOCATION.--Lat 43°38'21", long 111°42'55", in NE¼NW¼ sec.35, T.4 N., R.40 E., Jefferson County, Hydrologic Unit 17040201, on right bank 30 ft downstream from county road bridge, 1.3 mi downstream from head, and 2.7 mi east of Ririe.

PERIOD OF RECORD.--1923-27 and miscellaneous measurements during 1970-72 (formerly published as "Great Feeder Canal") October 1976 to current year (irrigation seasons only prior to 1977).

GAGE.--Water-stage recorder. Elevation of gage is 4,985 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 12-14, Dec. 20 to Jan. 2, Jan. 6-8, 14-18, Feb. 1-17, Feb. 22 to Mar. 2, and May 29 to June 10. Records good except for periods of estimated record, which are fair. Flow from Snake River regulated by headgates 1.3 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,090 ft³/s June 20, 1986; no flow at times during period 1923-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1600	880	305	114	74	265	203	761	4900	4350	2870	3200
2	1600	1100	305	116	73	245	197	600	4700	4420	2990	3150
3	1610	1090	301	119	72	242	197	990	4750	4890	3240	2810
4	1600	1090	301	117	71	242	191	1120	4800	4970	3210	2850
5	1590	1080	301	114	69	245	95	1250	4850	5050	3180	2870
6	1590	1060	297	106	68	245	38	1060	4950	4670	3210	2880
7	1490	1030	297	100	67	245	38	1060	5000	4520	3310	2880
8	1320	1030	295	104	66	248	36	1060	4800	4700	3330	2900
9	1310	988	290	106	64	248	36	1050	4750	4600	3320	2850
10	1310	1010	254	102	66	248	36	1050	4700	4420	3170	2850
11	1300	1020	142	100	65	248	36	1060	4660	4370	3090	2810
12	1300	1020	138	100	69	248	36	1040	4600	3840	3030	2760
13	1300	902	134	99	75	248	36	1070	4450	4540	2850	2740
14	1300	606	136	94	82	248	36	1220	4300	4450	2870	2680
15	1300	588	136	92	92	245	36	1220	4550	4200	2920	2570
16	1300	588	136	92	140	242	36	1350	4570	4250	3000	2560
17	1300	588	136	92	215	140	36	1530	4470	4200	3010	2540
18	1300	582	136	91	242	206	36	1600	4500	4190	3250	2570
19	1300	510	131	90	261	337	36	1870	5030	4160	3050	2600
20	1300	315	125	83	258	337	36	2130	5090	4050	3230	2530
21	1300	311	122	83	251	337	37	2180	4750	3880	3240	2020
22	1300	313	120	80	270	125	37	2300	4550	3800	3190	2100
23	1300	313	124	80	280	91	37	2340	4570	4010	3230	2050
24	1300	309	126	80	230	90	37	2820	4420	4300	3220	2030
25	1300	311	128	75	190	90	37	3020	4370	4070	3190	2000
26	1300	313	125	75	205	90	37	3540	4310	3780	3240	2000
27	1300	309	120	75	225	206	36	3840	4540	2840	3210	1830
28	1300	309	125	75	245	210	341	4150	4550	2810	3360	1710
29	1300	309	115	75	---	210	410	4550	4480	2970	3440	1720
30	1300	305	110	76	---	210	410	4850	4430	2940	3270	1730
31	1140	---	112	76	---	210	---	4800	---	2920	3180	---
TOTAL	42160	20180	5623	2881	4085	6841	2846	62481	139390	127160	97900	74790
MEAN	1360	673	181	92.9	146	221	94.9	2016	4646	4102	3158	2493
MAX	1610	1100	305	119	280	337	410	4850	5090	5050	3440	3200
MIN	1140	305	110	75	64	90	36	600	4300	2810	2850	1710
AC-FT	83620	40030	11150	5710	8100	13570	5650	123900	276500	252200	194200	148300

CAL YR 1985 TOTAL 592413 MEAN 1623 MAX 4920 MIN 52 AC-FT 1175000
WTR YR 1986 TOTAL 586337 MEAN 1606 MAX 5090 MIN 36 AC-FT 1163000

13038380 DRY BED CANAL NEAR LEWISVILLE, ID

LOCATION.--Lat 43°42'41", long 112°02'19", in SE¼NW¼NW¼ sec. 6, T.4 N., R.38 E., Jefferson County, Hydrologic Unit 17040201, on right bank 1.1 mi northwest of Lewisville, and at mile 7.3.

PERIOD OF RECORD.--October 1976 to September 1981, May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,775 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 9-20, Nov. 22 to Dec. 11, Dec. 23, 24, 27-30, Jan. 6-9, 12-14, and Jan. 22 to Feb. 13, which are ice affected. Records good except for periods of estimated daily record, which are fair. Flow regulated at the head (see sta 13038000). Considerable diversions for irrigation above station during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,170 ft^3/s July 5, 1986; minimum daily, 5.7 ft^3/s Apr. 3-13, 1977.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	132	98	18	9.8	50	18	165	373	513	417	634
2	339	204	98	18	9.7	43	23	278	169	466	344	659
3	323	201	97	18	9.6	37	18	344	216	736	450	534
4	323	190	96	18	9.3	33	14	508	317	965	433	496
5	322	190	96	16	9.1	35	11	555	366	1170	442	529
6	326	187	96	15	9.0	33	9.4	434	430	1150	409	511
7	328	163	95	14	8.8	32	9.2	417	479	971	413	538
8	244	157	94	14	8.6	41	9.2	419	401	820	446	549
9	223	145	93	14	8.4	38	9.3	424	483	894	509	506
10	207	135	92	14	9.0	40	9.0	394	715	715	629	504
11	204	130	70	14	8.6	40	9.0	392	711	621	638	519
12	203	135	52	13	8.8	40	9.5	380	545	559	559	543
13	198	134	45	12	9.2	37	10	359	492	911	509	541
14	194	135	42	12	9.5	37	9.4	380	410	1040	425	551
15	188	134	41	13	13	36	9.5	297	596	700	429	484
16	178	134	41	13	25	37	9.7	286	741	638	417	458
17	165	135	37	13	30	38	9.4	364	725	648	446	426
18	161	134	36	13	42	24	9.6	371	660	619	380	417
19	164	132	33	13	51	83	9.7	347	859	638	380	448
20	161	118	31	13	54	133	9.9	394	1020	700	421	524
21	167	107	28	13	53	130	9.9	279	1040	648	450	432
22	171	105	26	11	54	110	10	207	1040	527	470	408
23	170	106	24	11	56	20	11	205	973	545	534	401
24	186	104	23	10	52	14	9.8	151	850	775	587	393
25	190	102	23	9.4	35	12	9.5	194	734	890	561	372
26	188	104	23	9.8	26	11	9.5	171	603	879	575	400
27	201	102	22	10	34	11	9.3	215	594	591	574	413
28	202	100	21	10	46	11	9.2	149	658	409	577	310
29	204	100	20	10	---	16	119	288	697	446	642	298
30	207	100	20	10	---	18	86	383	591	467	664	302
31	201	---	19	10	---	17	---	240	---	459	623	---
TOTAL	6887	4055	1632	402.2	698.4	1257	509.0	9990	18488	22110	15353	14100
MEAN	222	135	52.6	13.0	24.9	40.5	17.0	322	616	713	495	470
MAX	349	204	98	18	56	133	119	555	1040	1170	664	659
MIN	161	100	19	9.4	8.4	11	9.0	149	169	409	344	298

WTR YR 1986 TOTAL 95481.6 MEAN 262 MAX 1170 MIN 8.4

13038500 SNAKE RIVER AT LORENZO, ID

LOCATION.--Lat 43°44'08", long 111°52'33", in NE¼SW¼ sec.28, T.5 N., R.39 E., Jefferson County, Hydrologic Unit 17040201, on left bank 0.5 mi downstream from bridge on U.S. Highway 191, 0.5 mi north of Lorenzo, 5.5 mi upstream from Henrys Fork, and at mile 837.9.

DRAINAGE AREA.--5,810 mi^2.

PERIOD OF RECORD.--January 1978 to current year. Prior to January 1978 monthly mean discharges for the period April to September for the years 1924 to 1927 published in WSP 1317.

REVISED RECORDS.--WDR ID-81-1: 1980.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to January 1978 at site 0.5 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 9 to Dec. 9, Dec. 12, 13, 15-30, Jan. 8-10, 23-26, and Feb. 8, 9. Records fair except for estimated daily discharges, which are poor. Flow partly regulated by Jackson Lake and Palisades Reservoir. Some diurnal fluctuation during winter from powerplant operations at Palisades. Diversion above station for irrigation in Wyoming and Idaho of about 111,600 acres (1966 determination).

AVERAGE DISCHARGE.--8 years, 5,276 ft^3/s, 3,822,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,000 ft^3/s May 19, 1927, result of washing out of landslide on Gros Ventre River, gage height, 9.85 ft site and datum then in use; maximum discharge excluding 1927, 20,900 ft^3/s June 26, 1986, gage height, 11.75 ft; minimum, 48 ft^3/s Nov. 15, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,900 ft^3/s June 26, gage height 11.75 ft; minimum daily, 557 ft^3/s Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	812	1030	1380	2670	2160	4540	14200	16800	15200	18700	4140	3010
2	809	882	1380	2650	2130	4570	13200	16400	15200	17100	3680	3010
3	808	866	1380	2640	2100	4630	14000	15600	14500	14100	3300	3250
4	806	858	1390	2630	2090	4960	11800	17100	14200	13900	3230	3390
5	806	855	1390	2640	2080	5550	10100	16600	14300	14700	3150	3590
6	797	735	1400	2660	2080	5600	10500	16900	14900	15800	3110	3610
7	844	586	1390	2620	2080	6330	10600	17000	15500	13800	3440	3610
8	989	583	1390	2620	2040	7690	11000	16800	15700	11700	3670	3640
9	904	557	1400	2600	2020	7960	10600	17100	15700	11900	3630	3540
10	796	570	1400	2620	2010	7670	10600	17100	15200	11400	3500	3490
11	787	590	1510	2640	2020	7560	11500	16900	15500	11000	3560	3460
12	788	595	1520	2640	2010	7510	11600	16900	15500	10900	3390	3460
13	786	600	1520	2640	2040	7480	11800	17000	15900	8790	3230	3460
14	771	780	1530	2640	2190	7490	11800	16800	16800	9310	3350	3510
15	759	960	1520	2650	2110	7710	13500	16700	17000	8410	3440	3780
16	728	980	1520	2670	2080	9120	13600	16700	17400	8300	3680	3870
17	720	985	1530	2700	2080	9130	15400	16700	18000	7880	3770	3900
18	715	980	1530	2670	2150	10400	15500	16600	18200	7750	3790	3960
19	711	990	1550	2660	2220	12100	15400	16400	18600	7410	3610	3930
20	713	990	1800	2670	2200	13600	15500	17300	18400	6670	3170	4220
21	713	1360	2600	2420	2130	14100	15800	18100	18500	5560	3060	5050
22	718	1380	2640	2300	2130	14200	16000	17500	18800	4660	3030	5050
23	708	1380	2620	2280	2110	14600	16500	17300	19200	3990	3080	4740
24	703	1380	2620	2260	2130	15000	16500	17100	19900	4040	3120	4740
25	706	1390	2630	2240	2150	14800	16500	17100	19500	4200	3210	4720
26	703	1390	2630	2140	2490	15000	16300	16900	19900	4640	3280	4740
27	705	1400	2620	2130	3790	15200	16100	16800	19800	5140	3220	4850
28	673	1390	2620	2140	4500	15100	16100	16200	19000	5100	2890	5080
29	700	1390	2640	2150	---	14500	16600	15700	19100	4540	2710	5150
30	688	1380	2660	2160	---	14100	16900	15800	19100	4320	2840	5340
31	680	---	2670	2180	---	14200	---	15500	---	4280	2950	---
TOTAL	23546	29812	58380	77330	63320	312400	415500	519400	514500	279990	103230	121130
MEAN	760	994	1883	2495	2261	10080	13850	16750	17150	9032	3330	4038
MAX	989	1400	2670	2700	4500	15200	16900	18100	19900	18700	4140	5340
MIN	673	557	1380	2130	2010	4540	10100	15500	14200	3990	2710	3010
AC-FT	46700	59130	115800	153400	125600	619600	824100	1030000	1021000	555400	204800	240300

CAL YR 1985 TOTAL 1543570 MEAN 4229 MAX 15600 MIN 557 AC-FT 3062000
WTR YR 1986 TOTAL 2518538 MEAN 6900 MAX 19900 MIN 557 AC-FT 4996000

13039000 HENRYS LAKE NEAR LAKE, ID

LOCATION.--Lat 44°35'51", long 111°21'10", in SW¼NW¼ sec.26, T. 15 N., R. 43 E., Fremont County, Hydrologic Unit 17040202, at dam on Henrys Fork, 5.2 mi south of former Lake, Idaho, Post Office.

DRAINAGE AREA.--99.0 mi^2, including 6.2 mi^2 of Dry Creek basin.

PERIOD OF RECORD.--June 1923 to current year (fragmentary).

REVISED RECORDS.--WDR Idaho 1982: 1981 (contents).

GAGE.--Water-stage recorder. Datum of gage is 6,457.16 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to June 28, 1978, nonrecording gage at same site and datum.

REMARKS.--No gage-height record: Sept. 4-30. Reservoir is formed on natural lake by concrete dam supported by downstream earth-fill dam; storage began Sept. 21, 1922; dam completed July 1923. Capacity, 90,420 acre-ft between gage heights 0.00 (low-water level of Henrys Lake prior to construction of dam) and 16.7 ft, top of 4.7 ft flashboards on spillway. Floodwaters of Dry Creek are diverted into Henrys Lake at times. Water used for irrigation near St. Anthony. Records given herein represent usable contents.

COOPERATION.--Capacity table and occasional reservoir elevations provided by North Fork Reservoir Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 92,300 acre-ft June 4, 1981, July 10, 11, 1983, gage height, 16.98 ft; minimum observed, 140 acre-ft Nov. 8, 1934, gage height, 0.03 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 91,600 acre-ft June 9, gage height, 16.88 ft; maximum gage height, 16.94 ft, June 9, wind affected; minimum contents, 69,300 acre-ft Aug. 21, gage height, 13.39 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

13.00	66,900
14.00	73,000
15.00	79,400
16.00	85,800
17.00	92,500

CONTENTS (ACRE-FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80200	81900	83700	84800	85900	86600	87500	89300	90100	89500	75400	70300
2	80200	82000	83800	84900	86000	86600	87500	89200	90200	89400	74500	70500
3	80300	82000	83800	84900	86100	86600	87500	89100	90400	88900	74200	70300
4	80300	81900	83900	85000	86100	86600	87600	89200	90500	88300	73900	---
5	80400	81800	84000	85100	86000	86600	87800	89200	90700	87700	73400	---
6	80400	81800	84100	85100	86000	86600	87800	89300	90800	87400	72900	---
7	80500	81800	84100	85100	86000	86700	88000	89500	90800	86700	72100	---
8	80600	81900	84300	85100	86000	87100	88200	89600	91200	86600	71700	---
9	80700	81900	84300	85100	86200	87300	88300	89600	90900	86400	71100	---
10	80800	82200	84300	85200	86300	87400	88400	89900	90900	86000	70500	---
11	80800	82200	84400	85200	86300	87500	88800	90100	90800	85500	70600	---
12	80900	82300	84400	85200	86300	87500	89100	89600	90600	85100	70500	---
13	80900	82500	84400	85200	86400	87400	89300	89600	90600	84700	70200	---
14	81100	82500	84400	85300	86400	87400	89400	89700	90400	84500	70000	---
15	81100	82600	84400	85300	86400	87500	89400	89500	90400	83600	69800	---
16	81200	82700	84500	85300	86300	87500	89500	89300	90500	83000	69700	---
17	81100	82700	84500	85400	86400	87400	89500	89200	90500	82700	69600	---
18	81300	82700	84500	85300	86400	87400	89500	89000	90400	82200	69600	---
19	81300	82700	84600	85400	86600	87400	89500	89200	90100	81800	69600	---
20	81300	82800	84600	85400	86500	87300	89500	89100	90200	81300	69500	---
21	81400	82900	84700	85300	86600	87300	89500	88800	89900	80700	69800	---
22	81600	82900	84700	85600	86600	87300	89700	88800	89600	79900	69900	---
23	81800	83100	84800	85800	86700	87300	89500	88900	89300	79400	70000	---
24	81900	83200	84800	85800	86700	87300	89500	89100	89700	78800	70000	---
25	81900	83200	84700	85800	86600	87200	89600	88900	89300	78700	70100	---
26	81900	83200	84700	85900	86700	87100	89600	89000	89500	78200	70300	---
27	81800	83400	84700	85800	86600	87200	89600	89000	89500	77600	70300	---
28	82000	83500	84700	85700	86600	87300	89600	89200	89600	77100	70500	---
29	81900	83500	84700	85800	---	87500	89500	89500	89300	76900	70500	---
30	81800	83500	84700	85900	---	87500	89400	89700	89600	76300	70500	73600
31	81900	---	84700	85900	---	87500	---	90200	---	75900	70500	---
MAX	82000	83500	84800	85900	86700	87500	89700	90200	91200	89500	75400	---
MIN	80200	81800	83700	84800	85900	86600	87500	88800	89300	75900	69500	---
(†)	15.40	15.65	15.83	16.02	16.13	16.26	16.55	16.66	16.58	14.46	13.58	14.08
(‡)	+1700	+1600	+1200	+1200	+700	+900	+1900	+800	-600	-13700	-5400	+3100

CAL YR 1985 MEAN 83800 MAX 90700 MIN 79200

CAL YR 1985 ....(‡) +900
WTR YR 1986 ....(‡) -6600

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13039500 HENRYS FORK NEAR LAKE, ID

LOCATION.--Lat 44°35'42", long 111°20'57", in NE¼SW¼ sec.26, T. 15 N., R. 43 E., Fremont County, Hydrologic Unit 17040202, on left bank 0.2 mi downstream from Henrys Lake Dam, 5.4 mi south of former Lake Post Office, and at mile 117.1.

DRAINAGE AREA.--99.3 mi^2, including 6.2 mi^2 of Dry Creek basin.

PERIOD OF RECORD.--May 1920 to current year (prior to October 1929, irrigation seasons only). Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,441.06 ft above National Geodetic Vertical Datum of 1929, U.S. Army Corps of Engineers bench mark (levels by Bureau of Reclamation). May 1920 to September 1922, nonrecording gage at site 3 mi downstream and below mouth of Dry Creek at different datum. September 1922 to July 30, 1978, recording gage at site 125 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 11-16, Nov. 22 to Dec. 6, Dec. 9-16, 23-26, Jan. 5, Feb. 13, 18. Records fair. Flow regulated by Henrys Lake (see sta 13039000). Since 1923, floodwaters of Dry (Tyghee) Creek have been diverted at times into Henrys Lake (some diverted during 1980).

AVERAGE DISCHARGE.--57 years (1930-86), 55.0 ft^3/s, 39,850 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 907 ft^3/s June 13, 1926, gage height, 5.40 ft; no flow for part of each day Sept. 17, 18, 1952, Sept. 5, 7-30, Oct. 1, 2, 1966, Sept. 18 to Oct. 6, 1977. Outflow from Henrys Lake was reported to have ceased entirely in late in summer of 1889.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 313 ft^3/s July 3, 18, 19, gage height, 2.10 ft; minimum, 8.0 ft^3/s Oct. 6, gage height, 0.40 ft; minimum gage height, 0.29 ft Sept. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	17	13	18	33	39	48	120	224	54	304	36
2	23	17	14	19	33	39	50	118	228	119	302	36
3	24	17	14	20	34	39	49	117	236	300	303	41
4	23	17	13	20	35	38	48	115	235	295	303	70
5	23	17	12	19	35	38	48	113	235	287	302	13
6	22	16	14	21	35	38	49	112	238	283	301	12
7	24	17	15	21	35	39	52	122	240	277	301	12
8	21	17	14	22	35	45	54	101	253	283	301	12
9	19	17	19	24	35	46	56	91	278	305	301	12
10	18	15	24	24	35	47	60	91	267	303	299	12
11	18	14	22	24	36	49	66	111	262	301	222	12
12	18	13	20	25	37	50	73	143	262	299	86	11
13	18	12	17	25	37	50	77	140	260	297	86	11
14	18	12	14	26	39	50	77	142	260	294	86	11
15	18	11	13	26	41	50	75	139	263	293	86	10
16	18	12	13	27	41	49	78	138	264	294	74	10
17	18	13	14	28	41	49	81	134	261	292	61	10
18	18	14	14	28	40	48	80	128	257	301	61	9.8
19	19	14	14	29	41	48	77	113	245	308	61	9.8
20	19	14	14	30	42	47	77	116	240	306	53	10
21	18	14	15	31	42	45	77	116	226	304	37	9.8
22	19	12	15	32	42	44	79	123	195	303	37	9.8
23	20	11	14	32	42	43	80	122	171	301	37	9.8
24	19	10	14	32	41	44	80	125	102	298	37	9.3
25	19	11	14	32	41	43	80	122	101	298	37	9.8
26	19	13	15	33	40	42	83	122	102	295	37	9.8
27	19	13	16	27	39	42	97	124	102	294	37	9.3
28	19	12	17	27	39	43	124	103	93	297	36	9.2
29	19	12	17	33	---	45	124	94	56	306	36	9.2
30	18	13	18	33	---	46	123	175	55	305	36	9.0
31	19	---	18	34	---	48	---	190	---	304	36	---
TOTAL	610	417	480	822	1066	1383	2222	3820	6211	8798	4296	455.6
MEAN	19.7	13.9	15.5	26.5	38.1	44.6	74.1	123	207	284	139	15.2
MAX	24	17	24	34	42	50	124	190	278	308	304	70
MIN	18	10	12	18	33	38	48	91	55	54	36	9.0
AC-FT	1210	827	952	1630	2110	2740	4410	7580	12320	17450	8520	904

CAL YR 1985 TOTAL 20472 MEAN 56.1 MAX 196 MIN 10 AC-FT 40610
WTR YR 1986 TOTAL 30578.6 MEAN 83.8 MAX 308 MIN 9.0 AC-FT 60650

13042000 ISLAND PARK RESERVOIR NEAR ISLAND PARK, ID

LOCATION.--Lat 44°25'11", long 111°23'50", in NE¼SE¼ sec. 29, T. 13 N., R. 43 E., Fremont County, Hydrologic Unit 17040202, Targhee National Forest, in gatehouse shaft at Island Park Dam on Henrys Fork, 0.5 mi upstream from Buffalo River, 1.3 mi west of Island Park Post Office, and at mile 91.7.

DRAINAGE AREA.--481 mi^2.

PERIOD OF RECORD.--November 1938 to September 1979, October 1984 to current year.

GAGE.--Water-stage recorder. Prior to August 9, 1976, electric tape gage read once daily. Datum of gage is at mean sea level (levels by U.S. Bureau of Reclamation).

REMARKS.--No estimated daily contents. Reservoir is formed by earth-fill rock-faced dam. Storage began Nov. 15, 1938. Capacity, 127,300 acre-ft between elevations 6,239 ft, normal low-water level with outlet gates open, and 6,302 ft, crest of spillway. Natural flow passing through reservoir when outlet gates are open limits withdrawal of storage to elevation 6,230 ft, sill of lower outlet. Dead storage negligible. Water is used for irrigation of lands in Fremont-Madison Irrigation District between Ashton and Rexburg. Figures given herein represent usable contents.

COOPERATION.--Capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 143,500 acre-ft May 16, 1971, elevation, 6,304.01 ft; minimum after first filling of reservoir in May 1939, 430 acre-ft Sept. 29, 30, 1979, elevation, 6,242.68 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 137,000 acre-ft May 5, elevation, 6,303.22 ft; minimum, 73,600 acre-ft Oct. 1, elevation, 6,293.93 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

6,290	54,800
6,295	79,600
6,300	112,200
6,304	143,400

CONTENTS (ACRE-FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74300	92800	91500	94800	95600	99300	108300	133400	135100	135700	115300	101400
2	75000	92800	92100	94800	95800	99400	108900	133700	135100	135900	114900	101400
3	75600	93000	92400	94800	95800	99500	109700	135000	135300	135500	114000	101400
4	76500	93500	92500	94800	95900	99800	110800	136700	135300	135400	113400	101200
5	77100	93400	92600	94900	96000	100000	112200	136400	135200	135300	112800	101000
6	78100	93200	92800	94900	95900	100200	113000	136200	135100	135500	112100	100900
7	79200	93100	93000	94800	95800	100600	114200	135200	134300	135600	111600	100900
8	79500	93000	93200	94800	95900	101500	115700	134100	134200	135000	111000	101000
9	80400	92900	93300	94800	95900	101800	117200	133300	134500	135000	110400	100800
10	81000	92400	93400	94800	96000	102200	118900	133100	134400	134300	109900	100600
11	81700	92400	93500	94800	96000	102500	120500	133000	134200	133500	109700	100600
12	82500	92200	93600	94700	96200	102900	122500	132700	134100	132200	108900	100800
13	83000	92200	93700	94700	96600	103400	123700	132600	134700	130600	108400	101100
14	83800	92200	93900	94700	96600	103600	124700	132300	135000	129300	107700	101600
15	84400	92100	94000	94700	96900	103700	125300	132300	135300	127700	106900	101600
16	85100	91900	94200	94900	97000	104000	126200	132700	134900	126400	106200	101600
17	85600	91800	94200	95000	97300	104100	126200	133000	134900	125200	105500	101600
18	86200	91700	94400	95100	97400	104200	126600	133100	134800	124500	104800	102100
19	86800	91600	94600	95100	97500	104500	126800	133300	135000	123600	104300	102100
20	87500	91500	94600	95300	97600	104600	127100	134000	135000	122700	103800	102500
21	89000	91500	94600	95300	97700	104700	128000	134100	135000	122000	103800	102500
22	89900	91400	94600	95300	98100	104900	129200	134100	135000	121400	103400	102500
23	90000	91200	94600	95400	98300	105100	130500	134200	135000	120500	103100	102500
24	90200	91300	94600	95400	98300	105400	131600	133800	135000	119900	102700	102600
25	90500	91400	94600	95400	98600	105600	132800	133600	135100	119500	102300	102400
26	90900	91200	94600	95400	98800	105900	133000	133600	135400	119200	102100	102300
27	91400	91000	94600	95400	98900	106100	133100	133700	135500	118600	101800	102500
28	91600	91000	94600	95400	99100	106400	133200	134000	135800	118000	101600	102300
29	91700	91400	94500	95400	---	106500	133100	134200	135900	117200	101800	102300
30	92200	91400	94600	95500	---	107000	133200	134200	135700	116600	101600	102900
31	92400	---	94600	95600	---	107700	---	134300	---	116000	101500	---
MAX	92400	93500	94600	95600	99100	107700	133200	136700	135900	135900	115300	102900
MIN	74300	91000	91500	94700	95600	99300	108300	132300	134100	116000	101500	100600
(†)	6297.09	6296.94	6297.43	6297.59	6298.11	6299.36	6302.75	6302.89	6303.06	6300.52	6298.47	6298.68
(‡)	+18900	+1000	+3200	+1000	+3500	+8600	+25500	+1100	+1400	-19700	-14500	+1400

CAL YR 1985	MEAN	98400	MAX	136500	MIN	64700
WTR YR 1986	MEAN	107800	MAX	136700	MIN	74300

CAL YR 1985 ....(‡) +14700
WTR YR 1986 ....(‡) +29400

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13042500 HENRYS FORK NEAR ISLAND PARK, ID

LOCATION.--Lat 44°24'59", long 111°23'41", in SW¼SW¼ sec.28, T. 13 N., R. 43 E., Fremont County, Hydrologic Unit 17040202, Targhee National Forest, on left bank 0.2 mi downstream from Island Park Dam, 0.2 mi upstream from Buffalo River, 1 mi southwest of Island Park Post Office, and at mile 91.5.

DRAINAGE AREA.--481 mi^2. Mean elevation, 7,080 ft.

PERIOD OF RECORD.--January 1933 to current year.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,225 ft, from river-profile map. Prior to May 15, 1935, nonrecording gage at site about 0.8 mi upstream at different datum. May 15 to Nov. 30, 1935, water-stage recorder at site 1,000 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Henrys Lake (see sta 13039000) and Island Park Reservoir. Diversions above station for irrigation of about 15,500 acres (1966 determination), a considerable part of which consists of partly subirrigated meadows.

AVERAGE DISCHARGE.--53 years (1933-86), 619 ft^3/s, 448,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft^3/s May 23, 1984, gage height, 6.06 ft; minimum daily, 1 ft^3/s Nov. 16 to Dec. 7, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,350 ft^3/s May 7, gage height, 5.30 ft; minimum, 19 ft^3/s Oct. 21, 22, gage height, 1.49 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	462	467	496	481	448	486	1270	1750	797	1260	661
2	349	462	467	496	481	448	439	1280	1860	782	1230	658
3	349	462	467	496	481	448	349	1320	1910	885	1230	650
4	349	442	467	496	481	448	349	1630	1960	973	1210	648
5	349	473	467	496	481	448	349	1980	1960	801	1170	656
6	349	557	467	496	481	448	349	2240	1960	842	1170	658
7	349	557	467	500	476	448	349	2270	1920	936	1170	621
8	349	557	467	501	467	448	349	2140	1800	949	1170	591
9	342	557	467	501	467	448	349	1820	1780	1290	1170	569
10	374	557	463	501	467	448	349	1700	1750	1430	1180	567
11	375	557	462	501	467	448	376	1670	1660	1490	1130	545
12	375	557	462	501	463	448	444	1640	1440	1770	1050	443
13	376	557	464	503	453	451	453	1510	1150	1780	1030	417
14	379	557	467	505	453	453	453	1370	1220	1770	1020	414
15	379	557	467	505	453	458	581	1260	1520	1780	1020	462
16	379	557	467	505	453	458	918	1200	1560	1800	1020	486
17	383	557	467	498	453	459	921	1220	1310	1660	1020	483
18	383	557	467	496	453	462	921	1240	1200	1340	945	503
19	383	557	468	498	453	463	921	1260	1130	1360	878	536
20	385	557	472	501	451	467	921	1300	1090	1340	873	536
21	144	557	472	501	448	471	921	1370	1050	1370	865	531
22	19	557	472	500	448	472	921	1430	1050	1410	859	523
23	254	557	472	496	448	475	955	1460	1040	1380	849	539
24	462	557	473	496	448	479	1040	1510	957	1270	847	551
25	462	557	478	496	448	481	1130	1470	827	1270	835	552
26	458	557	486	496	448	481	1220	1460	746	1280	850	533
27	462	557	486	496	448	481	1250	1460	778	1270	784	496
28	462	557	490	496	448	485	1270	1460	791	1270	714	489
29	462	530	491	492	---	486	1270	1530	821	1300	691	491
30	462	467	491	481	---	486	1260	1690	803	1350	669	156
31	462	---	491	481	---	486	---	1700	---	1270	665	---
TOTAL	11414	16109	14631	15423	12899	14330	21863	47860	40793	40215	30574	15965
MEAN	368	537	472	498	461	462	729	1544	1360	1297	986	532
MAX	462	557	491	505	481	486	1270	2270	1960	1800	1260	661
MIN	19	442	462	481	448	448	349	1200	746	782	665	156
AC-FT	22640	31950	29020	30590	25590	28420	43370	94930	80910	79770	60640	31670

CAL YR 1985 TOTAL 274338 MEAN 752 MAX 1980 MIN 19 AC-FT 544100
WTR YR 1986 TOTAL 282076 MEAN 773 MAX 2270 MIN 19 AC-FT 559500

13046023 HENRYS FORK NEAR ASHTON, ID

LOCATION.--Lat 44°04'12", long 111°30'34", in NW¼NE¼NW¼ sec.33, T.9 N., R.42 E., Fremont County, Hydrologic Unit 17040203, on left bank 0.8 mi downstream from powerplant, 3.1 mi west of Ashton, and at mile 44.2.

DRAINAGE AREA.--1,040 mi^2. Mean elevation, 6,710 ft.

PERIOD OF RECORD.--April 1890 to June 1891, August 1902 to June 1909, April 1920 to current year (seasonal records only 1920-26). Monthly discharge only for some periods, published in WSP 1317. Published as "Henrys Fork in canyon, above Fall River," 1890-91, and as "North Fork of Snake River near Ora," 1902-09.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1890-91.

GAGE.--Water-stage recorder. Elevation of gage is 5,090 ft above National Geodetic Vertical Datum of 1929, from topographic map. April 1890 to June 1891, nonrecording gage at site 5.5 mi downstream at different datum. August 1902 to Apr. 15, 1921, nonrecording gage, and Apr. 16, 1921, to May 3, 1930, water-stage recorder at site 1.0 mi downstream at different datum. May 3, 1930, to Sept. 30, 1980, water-stage recorder at site 0.5 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 11-13, 15-17, Dec. 4-18, Jan. 3, 5-7, Feb. 8-14, and 22, which are ice-affected. Records good except for periods with ice effect, which are fair. Diurnal fluctuation caused by powerplant above station. Flow regulated by Henrys Lake (see sta 13039000) and Island Park Reservoir. Diversions above station for irrigation of about 24,500 acres (1966 determination).

AVERAGE DISCHARGE.--66 years (1903-08, 1927-86), 1,501 ft^3/s, 1,087,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,140 ft^3/s May 15, 1984, gage height, 6.50 ft; minimum, 53 ft^3/s Sept. 20, 1960, gage height, 5.45 ft (site and datum then in use); minimum daily, 171 ft^3/s Oct. 18, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,570 ft^3/s May 4, gage height, 5.68 ft; minimum, 753 ft^3/s Nov. 1, gage height, 2.60 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 11-13, 15-17, Dec. 4-18, Jan. 3, 5-7, Feb. 8-14, 22;
shifting-control method used Feb. 22 to Mar. 5, Mar. 6, 7, 11, 13-24, July 4-29)

2.00	350	5.00	3910
3.00	1000	6.00	6500
4.00	2130	7.00	10000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	1420	1420	1440	1400	1400	1950	3210	3540	1970	2430	1840
2	1140	1310	1460	1380	1400	1390	1920	3650	3570	1930	2430	1840
3	1140	1350	1440	1320	1450	1400	1690	4180	3550	1940	2410	1780
4	1140	1370	1300	1380	1400	1390	1640	4650	3560	2160	2430	1730
5	1130	1360	1120	1220	1390	1340	1650	4530	3540	2180	2380	1720
6	1140	1460	1200	1300	1390	1380	1800	4730	3560	1900	2360	1720
7	1200	1520	1250	1330	1310	1420	1920	4590	3440	2120	2350	1710
8	1190	1580	1300	1350	1270	1750	2160	4470	3360	2170	2360	1730
9	1160	1570	1240	1360	1200	1630	2260	4030	3340	2260	2350	1680
10	1190	1540	1150	1410	1240	1630	2320	3710	3290	2700	2340	1690
11	1210	1480	1050	1380	1180	1520	2430	3920	3130	2700	2340	1680
12	1320	1450	1100	1360	1220	1530	2820	3710	2990	2870	2280	1640
13	1320	1400	1170	1370	1300	1490	2790	3580	2580	3030	2240	1460
14	1260	1330	1250	1350	1350	1480	2440	3380	2510	2880	2190	1480
15	1230	1280	1180	1370	1540	1430	2330	3160	2680	2970	2200	1490
16	1210	1240	1150	1440	1450	1430	2660	2980	3040	2930	2170	1570
17	1210	1450	1250	1430	1430	1430	2640	3010	2670	2960	2210	1580
18	1180	1540	1330	1380	1490	1410	2670	3120	2520	2670	2170	1590
19	1200	1480	1350	1370	1480	1400	2610	3230	2430	2470	2050	1680
20	1180	1540	1330	1410	1400	1430	2670	3420	2300	2550	2050	1670
21	1190	1550	1360	1360	1350	1440	3100	3740	2270	2570	2120	1670
22	1040	1510	1370	1380	1300	1480	3620	3800	2270	2540	2070	1620
23	1240	1470	1350	1390	1360	1510	3940	3500	2240	2560	2050	1610
24	1450	1560	1400	1400	1380	1510	3740	3470	2210	2490	2040	1660
25	1450	1680	1350	1340	1400	1570	3550	3350	2100	2590	2030	1680
26	1440	1490	1400	1370	1400	1530	3510	3440	1940	2550	1960	1670
27	1400	1430	1470	1380	1400	1550	3280	3550	1910	2540	1930	1670
28	1390	1540	1360	1370	1390	1640	3270	3580	1940	2520	1870	1680
29	1370	1580	1340	1400	---	1770	3470	3530	1980	2510	1840	1660
30	1350	1240	1410	1390	---	1880	3260	3700	2010	2480	1860	1670
31	1360	---	1400	1410	---	1960	---	3600	---	2470	1860	---
TOTAL	38570	43720	40250	42540	38270	47120	80110	114520	82470	77180	67370	49870
MEAN	1244	1457	1298	1372	1367	1520	2670	3694	2749	2490	2173	1662
MAX	1450	1680	1470	1440	1540	1960	3940	4730	3570	3030	2430	1840
MIN	1040	1240	1050	1220	1180	1340	1640	2980	1910	1900	1840	1460
AC-FT	76500	86720	79840	84380	75910	93460	158900	227200	163600	153100	133600	98920

CAL YR 1985	TOTAL	662370	MEAN	1815	MAX	5050	MIN	1040	AC-FT	1314000
WTR YR 1986	TOTAL	721990	MEAN	1978	MAX	4730	MIN	1040	AC-FT	1432000

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'09", long 111°00'19", T.49 N., R.118 W., Teton County, Hydrologic Unit 17040203, Yellowstone National Park, on right bank 0.4 mi upstream from confluence with the Bechler River, 3.8 mi north of the Bechler Ranger Station, and 28.0 mi northeast of Ashton, Idaho.

DRAINAGE AREA.--86.9 mi^2.

PERIOD OF RECORD.--August 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: May 26 to June 20. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 810 ft^3/s June 2, 1986; maximum gage height, 4.82 ft, June 18, 1986; minimum discharge, 78 ft^3/s Mar. 30, 1985, gage height, 2.08 ft.

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge, 810 ft^3/s June 2; minimum daily, 82 ft^3/s on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	87	86	85	83	83	113	146	760	174	109	105
2	89	88	86	84	83	83	108	206	810	150	108	105
3	89	88	87	83	83	83	106	287	770	142	108	104
4	88	87	84	83	82	83	111	375	730	140	108	103
5	88	88	84	84	82	82	113	264	750	133	107	102
6	88	87	84	84	82	82	128	208	730	125	107	102
7	99	87	85	83	82	83	147	188	690	122	107	102
8	94	90	85	83	82	105	158	161	720	121	107	102
9	92	89	85	83	82	93	163	148	700	119	107	102
10	91	88	85	83	82	86	169	145	690	117	107	102
11	91	88	84	83	82	86	181	145	680	120	107	103
12	92	88	84	83	82	85	189	134	680	122	106	101
13	91	87	84	83	83	84	165	133	670	114	105	101
14	90	86	84	83	82	84	150	141	650	112	106	101
15	90	86	84	83	84	83	148	143	630	110	105	101
16	90	86	84	84	83	83	154	156	650	114	105	101
17	89	86	84	84	83	83	148	186	630	135	105	101
18	88	87	84	83	84	83	147	231	620	123	105	104
19	88	86	84	83	84	83	141	297	570	118	105	103
20	88	86	84	83	82	83	144	404	520	115	105	112
21	87	86	84	83	82	83	181	482	456	113	110	107
22	90	86	84	83	83	84	237	443	386	113	109	103
23	92	86	83	83	82	84	273	288	345	115	108	102
24	97	86	83	82	84	86	267	259	345	114	108	103
25	101	87	83	82	84	87	196	321	364	116	107	103
26	99	85	83	82	84	86	158	500	362	124	107	103
27	94	85	83	82	84	89	139	600	333	122	105	104
28	92	85	83	82	83	94	137	680	287	117	104	103
29	90	87	83	83	---	102	139	700	234	113	103	104
30	89	86	83	83	---	111	132	710	218	111	104	103
31	88	---	83	83	---	118	---	730	---	110	105	---
TOTAL	2823	2604	2606	2575	2318	2726	4742	9809	16980	3794	3299	3092
MEAN	91.1	86.8	84.1	83.1	82.8	87.9	158	316	566	122	106	103
MAX	101	90	87	85	84	118	273	730	810	174	110	112
MIN	87	85	83	82	82	82	106	133	218	110	103	101
AC-FT	5600	5170	5170	5110	4600	5410	9410	19460	33680	7530	6540	6130

CAL YR 1985	TOTAL	44236	MEAN	121	MAX	468	MIN	78	AC-FT	87740
WTR YR 1986	TOTAL	57368	MEAN	157	MAX	810	MIN	82	AC-FT	113800

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1984 to June 1986 (discontinued).
WATER TEMPERATURES: August 1984 to June 1986 (discontinued).
INSTRUMENTATION.--Water-quality monitor since August 1984.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 252 µS/cm Feb. 14, 1986; minimum, 85 µs/cm May 31, 1986.
WATER TEMPERATURES: Maximum, 24.0 °C July 9, 1985; minimum, 1.0 °C Dec. 13-14, 22, Jan. 11-12, Feb. 1, 1985.
EXTREMES FOR CURRENT YEAR:
SPECIFIC CONDUCTANCE: Maximum, 252 µS/cm Feb. 14; minimum, 44 µS/cm May 31.
WATER TEMPERATURE: Maximum, 20.0 °C June 23-24; minimum, 3.0 °C Nov. 22-23, Feb. 8, and April 14.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	174	172	176	171	---	---	239	234	225	219	229	225
2	177	173	172	170	---	---	238	235	231	226	229	226
3	178	176	176	172	---	---	240	236	234	231	229	225
4	179	176	176	174	---	---	242	239	239	234	225	222
5	180	177	176	174	---	---	240	235	241	237	222	218
6	180	179	176	174	---	---	236	234	241	237	219	215
7	180	176	177	176	---	---	237	235	242	238	214	211
8	178	174	177	174	---	---	237	236	241	239	211	---
9	177	174	175	174	---	---	238	237	243	240	183	172
10	179	176	175	174	---	---	240	237	248	242	189	182
11	180	178	178	175	---	---	240	238	247	244	195	189
12	180	177	181	178	---	---	241	238	248	245	195	194
13	178	176	183	181	---	---	240	238	249	247	194	192
14	180	177	185	183	---	---	240	235	252	249	194	190
15	182	179	187	184	---	---	238	235	251	248	195	193
16	184	181	189	186	215	213	238	236	251	250	196	192
17	184	182	192	189	218	215	239	237	251	248	196	193
18	184	182	195	192	221	218	240	238	248	246	197	194
19	185	182	196	193	223	220	241	238	248	247	197	195
20	186	184	197	195	225	222	239	237	248	247	197	194
21	185	184	198	197	227	224	238	236	248	246	198	195
22	184	181	199	197	229	227	237	233	247	244	199	196
23	181	176	200	198	230	228	237	235	248	246	201	197
24	176	173	203	200	232	230	236	229	249	246	199	197
25	174	172	204	202	234	232	230	228	247	242	198	196
26	173	170	205	203	236	234	233	230	241	228	195	190
27	173	170	204	202	239	237	234	216	232	227	195	190
28	177	172	---	---	238	236	220	216	231	227	196	192
29	178	176	---	---	237	235	218	214	---	---	192	189
30	177	176	---	---	238	237	215	210	---	---	190	188
31	177	176	---	---	240	237	220	211	---	---	188	186
MONTH	186	170	205	170	240	213	242	210	252	219	229	172

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	186	184	109	105	59	55						
2	185	183	112	107	65	57						
3	181	178	111	106	63	59						
4	178	170	105	88	63	57						
5	168	165	86	78	63	61						
6	166	163	80	76	60	56						
7	164	163	80	70	59	53						
8	165	162	81	59	57	55						
9	164	163	74	60	62	58						
10	163	161	79	72	67	61						
11	161	159	84	79	70	65						
12	158	154	91	84	69	64						
13	154	152	95	90	65	60						
14	153	149	99	94	62	60						
15	152	149	103	98	69	61						
16	150	148	108	102	76	70						
17	149	147	111	105	78	74						
18	147	145	110	107	79	75						
19	146	144	113	107	79	76						
20	144	134	111	107	78	72						
21	134	124	108	92	72	68						
22	124	115	91	85	71	64						
23	116	109	85	79	81	72						
24	109	105	85	81	89	80						
25	106	102	84	78	90	88						
26	102	100	88	78	---	---						
27	101	99	91	83	---	---						
28	101	99	86	79	---	---						
29	103	101	92	81	---	---						
30	107	102	87	75	---	---						
31	---	---	74	44	---	---						
MONTH	186	99	113	44	90	53						

WATER TEMPERATURE (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	12.0	7.5	9.5	8.5	---	---	7.0	4.0	10.0	9.5	11.0	7.5
2	14.0	10.0	11.0	8.5	---	---	7.5	4.5	10.5	9.5	12.0	8.5
3	13.0	11.0	13.0	10.5	---	---	7.5	6.0	9.5	7.5	11.5	8.0
4	13.0	8.5	12.0	8.5	---	---	6.5	5.5	9.5	8.0	11.0	8.0
5	13.0	8.5	11.5	8.5	---	---	6.5	3.5	9.5	8.0	11.5	8.0
6	13.0	10.0	8.5	7.5	---	---	7.0	6.0	8.5	5.5	11.0	8.5
7	12.5	7.0	9.0	6.0	---	---	7.0	6.0	6.5	4.0	11.0	10.0
8	9.5	8.0	8.5	5.5	---	---	6.5	4.5	6.0	3.0	10.5	5.5
9	10.5	7.5	8.0	4.5	---	---	7.5	4.5	5.5	3.5	8.5	7.5
10	11.5	8.5	6.5	5.0	---	---	9.0	7.0	6.5	4.5	9.0	7.0
11	12.0	7.5	8.0	6.0	---	---	8.5	6.0	6.0	3.5	9.5	8.0
12	11.0	8.5	9.5	7.5	---	---	7.5	5.0	5.5	4.5	9.0	7.5
13	10.5	7.0	8.5	7.0	---	---	7.5	5.0	6.0	4.5	10.0	7.5
14	10.5	7.0	7.5	6.0	---	---	7.0	5.0	7.5	6.0	10.5	7.0
15	13.0	9.5	7.5	6.5	---	---	7.0	5.0	6.5	4.0	10.5	8.0
16	13.0	8.5	7.0	6.0	6.5	6.0	7.0	6.5	6.5	5.5	10.5	8.5
17	12.5	9.0	8.5	6.5	6.5	6.0	7.5	5.5	6.5	5.5	10.0	8.5
18	13.0	8.5	7.5	5.0	7.5	6.0	9.0	7.5	7.0	5.5	9.0	6.5
19	13.0	8.5	5.0	3.5	8.0	6.5	9.5	8.0	7.0	6.0	11.0	7.5
20	13.0	9.0	5.0	4.0	6.5	5.0	9.5	7.5	8.5	6.0	11.5	8.0
21	12.0	9.0	5.0	4.0	6.5	4.0	8.0	7.0	8.5	6.0	11.5	7.5
22	11.0	8.0	4.0	3.0	6.0	4.0	8.0	6.0	6.5	4.5	11.5	9.0
23	8.5	4.0	5.0	3.0	6.0	4.0	8.0	6.5	7.5	6.0	12.0	8.0
24	9.5	6.5	6.0	5.0	6.0	4.5	8.0	7.0	10.5	7.5	11.0	8.0
25	12.0	8.0	5.5	4.5	5.5	3.5	8.5	7.0	11.5	9.5	10.5	7.0
26	12.5	8.5	6.0	4.5	6.0	3.5	8.0	5.0	12.5	10.0	11.5	7.0
27	12.5	8.5	5.0	5.0	7.0	5.5	8.0	6.0	11.0	8.0	12.0	7.0
28	12.0	9.0	---	---	6.5	3.5	9.5	8.0	11.0	7.5	12.0	7.5
29	12.0	8.5	---	---	6.5	3.5	10.5	9.5	---	---	11.5	7.5
30	11.0	8.0	---	---	6.5	5.5	10.5	9.0	---	---	10.0	6.5
31	11.0	9.0	---	---	7.0	6.0	10.5	9.5	---	---	9.5	6.5
MONTH	14.0	4.0	13.0	3.0	8.0	3.5	10.5	3.5	12.5	3.0	12.0	5.5

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY--Continued

WATER TEMPERATURE (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.0	5.0	10.0	5.0	16.5	11.0						
2	8.0	7.0	8.5	5.0	16.0	10.5						
3	10.0	5.0	8.0	4.5	15.5	10.5						
4	9.0	5.5	5.5	4.0	17.5	9.5						
5	10.0	5.0	8.0	3.5	16.0	10.5						
6	10.0	5.5	7.5	4.5	15.0	9.0						
7	8.0	5.0	6.5	4.5	15.5	9.5						
8	8.5	5.0	8.0	5.0	13.5	9.5						
9	7.5	6.0	8.0	5.0	13.5	9.0						
10	7.0	5.5	7.5	6.0	16.5	8.0						
11	7.5	5.5	6.5	4.5	17.5	9.5						
12	6.5	4.0	10.0	4.5	17.0	10.0						
13	6.5	3.5	8.0	5.5	17.5	10.0						
14	8.0	3.0	10.0	5.0	16.5	10.5						
15	8.5	4.5	11.0	5.0	17.0	10.0						
16	7.5	5.5	11.0	5.5	18.5	10.5						
17	8.5	5.0	9.5	4.5	19.0	11.5						
18	7.5	4.5	8.5	4.5	17.5	11.5						
19	6.5	4.5	9.5	4.5	17.5	11.5						
20	7.0	5.0	9.0	5.0	17.0	11.0						
21	8.0	5.0	8.5	4.5	16.0	11.0						
22	6.5	4.5	5.5	3.0	18.5	10.5						
23	6.5	4.5	12.5	4.0	20.0	12.0						
24	5.5	4.0	14.0	5.5	20.0	13.0						
25	5.0	4.0	14.5	6.5	18.5	14.0						
26	6.0	4.0	14.0	7.0	---	---						
27	5.5	4.5	14.5	7.0	---	---						
28	7.0	4.0	16.0	9.5	---	---						
29	6.0	4.5	16.5	10.0	---	---						
30	9.5	4.5	16.5	10.0	---	---						
31	---	---	17.0	10.5	---	---						
MONTH	10.0	3.0	17.0	3.0	20.0	8.0						

13047500 FALLS RIVER NEAR SQUIRREL, ID

LOCATION.--Lat 44°04'07", long 111°14'25", in NW¼NE¼ sec. 34, T. 9 N., R. 44 E., Fremont County, Hydrologic Unit 17040203, on right bank 0.2 mi upstream from road bridge, 0.5 mi downstream from headgates of Marysville Canal, 4 mi northeast of Squirrel, 10.8 mi upstream from Conant Creek, and at mile 19.8.

DRAINAGE AREA.--326 mi^2. Mean elevation, 7,520 ft.

PERIOD OF RECORD.--August 1902 to June 1909 (gage heights only prior to October 1904), May 1918 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "Fall River at Wilson's Mill, near Marysville" 1902, as "Fall River near Marysville" 1903, as "Fall River at Fremont" 1904-09, and as "Fall River near Squirrel" 1918-50.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1908. WSP 1347: 1905.

GAGE.--Water-stage recorder. Elevation of gage is 5,590 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Jan. 1, 1904, nonrecording gage at site 3 mi upstream at different datum, Jan. 1, 1904 to Nov. 6, 1937, nonrecording gage at site 200 ft upstream at different datum, and Nov. 7, 1937, to Oct. 7, 1948, nonrecording gage at site 100 ft downstream at datum 0.29 ft lower.

REMARKS.--Estimated daily discharges: Nov. 21-23, 30, Dec. 1, 4-6, 8-22, 26-31, Jan. 7-10, 26-29, which are ice-affected. Records good except for periods with ice effect, which are fair. Flow since October 1939 regulated by Grassy Lake. Diversions above station for irrigation of about 17,000 acres below station and in adjacent basins, and diversions from tributary upstream from station for irrigation of about 500 acres (1966 determination).

AVERAGE DISCHARGE.--72 years (1905-08, 1919-86), 789 ft^3/s, 571,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,060 ft^3/s June 9, 1981; minimum observed, 72 ft^3/s Feb. 9, 1930.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,870 ft^3/s June 2, gage height, 4.09 ft; minimum, 254 ft^3/s Feb. 11, gage height, 0.85 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 11 to Sept. 29; stage-discharge relation
affected by ice Nov. 21-23, 30, Dec. 1, 4-6, 8-22, 26-31, Jan. 7-10, 26-29)

1.0	330	3.0	2700
1.5	715	4.0	4660
2.0	1250		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	584	542	480	530	410	488	891	1190	4250	1840	832	765
2	586	524	510	523	406	485	937	1540	4560	1660	816	783
3	586	532	520	500	420	492	884	2080	4460	1600	801	764
4	566	536	485	478	405	491	934	2460	4210	1590	782	752
5	488	526	460	470	403	481	933	1990	4330	1470	772	744
6	485	545	480	485	398	476	1040	1710	4180	1240	764	741
7	608	530	490	475	382	495	1220	1570	3870	1150	747	735
8	586	527	470	460	376	736	1320	1380	3910	1110	749	738
9	537	563	440	465	379	715	1380	1260	3610	1110	745	755
10	513	534	415	470	373	654	1420	1240	3550	1110	743	755
11	515	519	400	448	382	621	1490	1230	3520	1150	728	744
12	544	527	415	448	386	623	1530	1110	3510	1180	725	714
13	522	522	430	440	413	598	1380	1090	3460	1040	716	693
14	511	506	445	433	411	561	1190	1150	3370	997	715	689
15	507	493	460	433	451	548	1130	1160	3460	949	697	693
16	504	482	470	455	420	530	1180	1240	3530	979	704	627
17	498	508	450	448	409	522	1140	1380	3450	1110	692	619
18	490	510	420	410	432	505	1090	1570	3360	963	688	660
19	483	490	410	403	453	493	1050	1840	3150	896	675	664
20	489	465	430	418	421	493	1050	2350	2920	869	682	770
21	491	450	440	403	408	493	1310	2850	2740	857	731	707
22	549	440	460	395	425	520	1750	2740	2490	845	787	658
23	571	450	478	410	422	532	2000	2130	2320	847	726	626
24	641	506	496	393	450	566	1920	2010	2300	827	738	622
25	665	521	529	383	478	571	1650	2180	2360	853	730	627
26	650	496	520	375	485	549	1430	2760	2350	1020	723	621
27	607	481	510	370	490	580	1260	3490	2310	1010	699	625
28	576	505	495	375	485	663	1230	3860	2150	959	744	626
29	560	519	505	390	---	803	1240	3960	2040	907	745	620
30	546	490	510	405	---	919	1120	3900	2010	877	778	633
31	545	---	520	413	---	1010	---	4020	---	850	782	---
TOTAL	17003	15239	14543	13504	11773	18215	38199	64440	97730	33865	22956	20770
MEAN	548	508	469	436	420	588	1273	2079	3258	1092	741	692
MAX	665	563	529	530	490	1010	2000	4020	4560	1840	832	783
MIN	483	440	400	370	373	476	884	1090	2010	827	675	619
AC-FT	33730	30230	28850	26790	23350	36130	75770	127800	193800	67170	45530	41200

CAL YR 1985	TOTAL	309497	MEAN	848	MAX	3730	MIN	390	AC-FT	613900
WTR YR 1986	TOTAL	368237	MEAN	1009	MAX	4560	MIN	370	AC-FT	730400

13049500 FALLS RIVER NEAR CHESTER, ID

LOCATION.--Lat 44°01'06", long 111°33'57", in NW¼SE¼ sec. 13, T. 8 N., R. 41 E., Fremont County, Hydrologic Unit 17040203, on right bank, 0.2 mi upstream from highway bridge, at mile 0.8, and 1.5 mi north of Chester.

DRAINAGE AREA.--520 mi^2, approximately. Mean elevation, 6,970 ft.

PERIOD OF RECORD.--April 1920 to current year (irrigation seasons only prior to 1962). Prior to October 1959, published as "Fall River near Chester."

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,051.9 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 9, 1920, nonrecording gage at site 200 ft downstream at same datum. Aug. 9, 1920, to Apr. 28, 1921, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharge: Oct. 10, 11, 13-18, 31, Nov. 1, 3, and Nov. 6 to Mar. 5. Records good except for periods of estimated record, which are poor. Flow since October 1939 partly regulated by Grassy Lake. Diversions above station for irrigation of about 4,600 acres above station and about 36,000 acres in adjacent basins (1966 determination). Station is below all diversions from Falls River.

AVERAGE DISCHARGE.--25 years (1961-86), 800 ft^3/s, 579,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 7,730 ft^3/s June 9, 1981, gage height, 7.83 ft; maximum gage height recorded, 7.93 ft Jan. 18, 1966 (backwater from ice); minimum discharge recorded, 7 ft^3/s June 27, 1961, gage height, 0.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,810 ft^3/s June 2, gage height, 5.51 ft; minimum daily, 408 ft^3/s Aug. 19.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Oct. 15-18, and Nov. 6 to Feb. 28;
shifting-control method used Apr. 23, 24, May 4, 5, 21, 22, and May 26 to June 28)

2.0	282	4.0	2070
2.5	556	5.0	3420
3.0	1000	6.0	4850

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	605	600	545	580	450	565	1240	1350	3410	1270	549	572
2	629	594	570	590	445	570	1190	1670	3610	1150	519	591
3	625	585	585	560	470	575	1110	2160	3560	1090	494	584
4	623	579	555	540	455	565	1150	2730	3370	1070	469	571
5	543	580	525	520	445	575	1140	2410	3370	1040	447	558
6	528	600	540	540	440	582	1230	1970	3280	873	433	555
7	608	590	535	530	435	588	1460	1900	3030	776	426	555
8	675	605	525	510	420	925	1600	1640	3040	718	436	556
9	647	620	500	515	430	972	1690	1490	2930	708	459	569
10	585	600	480	520	420	864	1760	1450	2910	702	460	578
11	580	565	460	490	435	813	1850	1480	2800	715	457	575
12	631	595	475	485	450	793	1930	1350	2760	842	449	590
13	600	590	490	480	460	762	1730	1240	2720	710	447	616
14	585	585	510	475	475	701	1470	1270	2570	665	437	598
15	580	565	520	475	500	661	1380	1310	2610	575	425	582
16	575	550	530	500	480	640	1410	1320	2670	533	424	534
17	570	560	500	495	470	620	1370	1410	2590	682	432	518
18	565	560	485	470	490	607	1320	1560	2490	552	428	544
19	558	550	470	460	515	601	1270	1800	2360	483	408	584
20	563	525	485	465	490	594	1230	2160	2150	466	422	665
21	564	495	495	450	470	601	1430	2630	2020	453	462	652
22	606	485	510	440	480	640	1980	2780	1830	430	555	583
23	645	530	540	465	490	671	2260	2510	1640	424	506	548
24	713	560	570	445	510	701	2260	2090	1590	413	540	539
25	771	590	595	430	535	752	2020	2060	1620	428	522	545
26	746	560	590	415	560	711	1780	2420	1640	597	527	547
27	699	540	580	410	575	752	1560	2940	1610	690	489	559
28	665	560	550	420	560	854	1420	3280	1520	668	511	555
29	676	580	555	435	---	995	1470	3420	1420	608	526	551
30	636	565	565	445	---	1130	1390	3440	1360	577	560	544
31	610	---	575	455	---	1250	---	3350	---	561	572	---
TOTAL	19206	17062	16410	15010	13355	22630	46100	64590	74480	21469	14791	17118
MEAN	620	569	529	484	477	730	1537	2084	2483	693	477	571
MAX	771	620	595	590	575	1250	2260	3440	3610	1270	572	665
MIN	528	485	460	410	420	565	1110	1240	1360	413	408	518
AC-FT	38100	33840	32550	29770	26490	44890	91440	128100	147700	42580	29340	33950

CAL YR 1985 TOTAL 300486 MEAN 823 MAX 3570 MIN 200 AC-FT 596000
WTR YR 1986 TOTAL 342222 MEAN 938 MAX 3610 MIN 408 AC-FT 678800

13050500 HENRYS FORK AT ST. ANTHONY, ID

LOCATION.--Lat 43°58'00", long 111°40'20", in NW¼ sec. 6, T. 7 N., R. 41 E., Fremont County, Hydrologic Unit 17040203, on right bank 0.5 mi upstream from bridge on main street of St. Anthony, 6.4 mi downstream from Falls River, and at mile 32.4.

DRAINAGE AREA.--1,770 mi^2, approximately. Mean elevation, 6,070 ft.

PERIOD OF RECORD.--March 1919 to current year (irrigation seasons only prior to 1962).

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1923(M).

GAGE.--Water-stage recorder. Datum of gage is 4,950.7 ft above National Geodetic Vertical Datum of 1929. March 1919 to May 7, 1922, nonrecording gages, and May 8, 1922, to Aug. 14, 1931, water-stage recorder, at site 150 ft downstream at datum 0.08 ft lower.

REMARKS.--Estimated daily discharges: Nov. 11-29, Dec. 5-8, 12, 14-19, Jan. 3-17, 27-30, Feb. 8-13, 21-24, Mar. 1, 2. Records good except for periods of estimated record, which are fair. Diversions above station for irrigation of about 21,000 acres below and about 58,000 acres above station of which about 1,100 acres are irrigated by withdrawals from ground water (1966 determination). Flow regulated by powerplant 17 mi above station and by Henrys Lake (see sta 13039000), Island Park Reservoir, and Grassy Lake.

AVERAGE DISCHARGE.--25 years (1962-86), 2,037 ft^3/s, 1,476,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 13,200 ft^3/s May 16, 1984, gage height, 8 62 ft; minimum discharge recorded, 21 ft^3/s July 9, 1973, gage height, 1.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,730 ft^3/s May 4, gage height, 6.43 ft; minimum, 1,380 ft^3/s Aug. 19, gage height, 3.64 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-29, Feb. 26 to July 5;
stage-discharge relation affected by ice Nov. 11, 12, 26-29,
Dec. 5-8, 12, 14-19, Jan. 3-17, 27-30, Feb. 8-13, 21-24)

3.6	1310	6.0	5790
4.0	1880	6.6	7250
5.0	3620		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	2000	1950	2130	2020	2060	2990	4200	6220	2280	1940	1680
2	1560	1940	2030	2110	2010	2050	2930	4850	6410	2050	1850	1780
3	1550	1940	2060	1950	2040	2040	2850	5760	6370	1950	1780	1780
4	1540	1840	1930	1860	1970	2030	2610	7030	6230	2100	1760	1720
5	1470	1810	1710	1800	1850	2020	2590	6440	6160	2140	1720	1710
6	1470	1930	1600	1760	1950	2020	2780	6280	6100	1730	1650	1720
7	1560	1950	1680	1800	1790	2040	3140	6050	5800	1770	1610	1710
8	1690	2040	1720	1860	1750	2570	3620	5790	5760	1810	1630	1730
9	1610	2010	1830	1920	1680	2580	3900	5210	5660	1840	1660	1700
10	1650	2000	1700	2000	1750	2430	3890	4750	5690	2200	1670	1690
11	1680	1900	1540	1960	1700	2260	3930	4950	5410	2210	1700	1670
12	1790	1850	1650	1900	1780	2210	4390	4670	5200	2450	1680	1670
13	1810	1800	1750	1920	1850	2110	4340	4380	4780	2500	1700	1520
14	1750	1700	1850	1940	1930	2060	3740	4220	4370	2380	1580	1500
15	1710	1650	1780	1980	2100	1990	3540	4040	4480	2360	1590	1470
16	1700	1600	1700	1920	2130	1960	3880	3900	4970	2230	1550	1490
17	1690	1800	1680	2000	2100	1970	3890	3940	4570	2300	1610	1490
18	1650	1950	1800	1970	2180	1930	3810	4170	4250	2040	1580	1540
19	1670	1900	1900	1940	2170	1890	3700	4480	3970	1770	1440	1660
20	1660	1940	1950	2000	2080	1910	3700	4940	3580	1800	1430	1710
21	1680	1860	1960	1950	1850	1940	4230	5750	3420	1800	1520	1720
22	1680	1900	1950	1920	1900	2050	5270	6160	3270	1770	1630	1640
23	1810	1850	1960	1940	1860	2110	5920	5330	3060	1770	1610	1640
24	2140	1900	2010	1990	1940	2130	5830	5070	2990	1720	1680	1650
25	2210	2000	2010	1880	2060	2210	5250	4850	2930	1800	1620	1600
26	2180	1900	1980	1880	2080	2150	4890	5230	2820	1980	1610	1670
27	2120	1800	2140	1880	2090	2200	4520	5910	2660	2190	1570	1720
28	2080	1900	2010	1900	2080	2340	4370	6290	2540	2210	1570	1720
29	2010	2000	2030	1920	---	2560	4590	6390	2460	2100	1570	1760
30	1970	1810	2130	1950	---	2800	4340	6400	2400	2020	1630	1790
31	2010	---	2170	2000	---	2980	---	6230	---	2030	1650	---
TOTAL	54620	56570	58170	59930	54980	67600	119330	163660	134530	63290	50800	49940
MEAN	1762	1886	1876	1933	1964	2181	3978	5279	4484	2042	1639	1665
MAX	2210	2040	2170	2130	2180	2980	5920	7030	6410	2500	1940	1790
MIN	1470	1600	1540	1760	1680	1890	2590	3900	2400	1720	1430	1470
AC-FT	108300	112200	115400	118900	109100	134100	236700	324600	266800	125500	100800	99060

CAL YR 1985	TOTAL	813940	MEAN	2230	MAX	7710	MIN	1140	AC-FT 1614000
WTR YR 1986	TOTAL	933430	MEAN	2557	MAX	7030	MIN	1430	AC-FT 1851000

13052200 TETON RIVER ABOVE SOUTH LEIGH CREEK, NEAR DRIGGS, ID

LOCATION.--Lat 43°46'54", long 111°12'30", in NW¼NE¼ sec. 12, T. 5 N., R. 44 E., Teton County, Hydrologic Unit 17040204, on right bank 75 ft upstream from county road bridge, 3.5 mi southwest of Tetonia, 6.5 mi northwest of Driggs, and at mile 56.3.

DRAINAGE AREA.--335 mi^2, approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,052.8 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 8-10, Nov. 16 to Feb. 16, and Apr. 24 to May 11. Records good except for periods of estimated record, which are fair. Diversions above station for irrigation of about 42,000 acres of which about 1,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--25 years, 419 ft^3/s, 303,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,460 ft^3/s July 10, 11, 1983, gage height, 5.17 ft; maximum gage height, 6.37 ft Feb. 1, 1963; minimum, 54 ft^3/s Nov. 23, 1977, gage height, 0.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,820 ft^3/s June 7, gage height, 4.10 ft; minimum daily, 175 ft^3/s Feb. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	267	240	200	195	410	433	480	1620	1230	569	433
2	294	267	235	195	200	394	469	515	1670	1120	555	422
3	286	263	220	190	210	385	451	660	1790	1080	537	413
4	280	263	210	188	205	366	420	820	1790	1110	526	401
5	282	274	215	185	200	360	415	770	1760	1070	512	395
6	284	269	200	205	195	364	414	735	1740	954	494	390
7	307	267	215	200	185	392	418	690	1800	893	481	388
8	328	255	230	205	175	698	503	670	1760	869	476	384
9	323	242	215	210	185	738	578	650	1730	847	472	392
10	319	235	200	215	195	479	572	630	1650	834	463	419
11	317	246	180	210	190	410	541	590	1530	838	450	413
12	322	276	185	205	205	394	528	563	1460	839	446	394
13	324	256	190	200	230	385	546	547	1450	779	419	387
14	304	257	185	215	245	371	526	542	1450	743	419	384
15	298	257	190	220	270	370	512	523	1490	729	410	380
16	285	245	195	222	290	350	496	516	1510	772	406	376
17	285	250	205	224	317	345	485	512	1530	834	402	377
18	285	240	200	226	423	327	464	510	1540	744	397	432
19	282	230	190	224	556	323	452	527	1550	701	400	442
20	281	240	186	220	484	321	445	568	1520	680	404	491
21	281	225	184	215	404	338	449	670	1450	664	413	476
22	291	215	190	205	344	391	474	831	1350	644	425	425
23	322	225	195	195	400	388	537	819	1290	631	421	401
24	367	245	190	190	614	393	625	732	1280	637	430	393
25	316	235	195	200	645	384	620	686	1330	640	415	394
26	294	225	200	205	613	354	600	748	1350	668	413	386
27	282	235	195	215	543	362	565	938	1340	696	408	409
28	279	240	190	220	453	380	515	1180	1360	693	398	425
29	272	250	200	215	---	391	480	1410	1390	652	403	414
30	271	240	205	210	---	411	460	1550	1310	611	438	408
31	269	---	210	200	---	435	---	1610	---	587	451	---
TOTAL	9236	7434	6240	6429	9171	12409	14993	23192	45790	24789	13853	12244
MEAN	298	248	201	207	328	400	500	748	1526	800	447	408
MAX	367	276	240	226	645	738	625	1610	1800	1230	569	491
MIN	269	215	180	185	175	321	414	480	1280	587	397	376
AC-FT	18320	14750	12380	12750	18190	24610	29740	46000	90820	49170	27480	24290

CAL YR 1985 TOTAL 130189 MEAN 357 MAX 1120 MIN 170 AC-FT 258200
WTR YR 1986 TOTAL 185780 MEAN 509 MAX 1800 MIN 175 AC-FT 368500

13055000 TETON RIVER NEAR ST. ANTHONY, ID

LOCATION.--Lat 43°55'38", long 111°36'55", in SW¼SW¼ sec. 15, T. 7 N., R. 41 E., Fremont County, Hydrologic Unit 17040204, on right bank 0.5 mi upstream from railroad bridge, 4 mi southeast of St. Anthony, and at mile 22.

DRAINAGE AREA.--890 mi², approximately.

PERIOD OF RECORD.--January 1890 to September 1893, April 1903 to June 1909 (irrigation seasons only 1920-21, 1923-33), April 1920 to May 1976 (destroyed by flood of June 5, 1976), October 1977 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "near Wilford" or "at Chases Ranch" 1890-93.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1903-6, 1908-9. WDR ID-80-1: 79.

GAGE.--Water-stage recorder. Elevation of gage is 4,970 ft above National Geodetic Vertical Datum of 1929, from topographic map. Apr. 5, 1890, to Sept. 30, 1893, nonrecording gage at site 1 mi downstream at different datum. Apr. 23, 1903, to June 30, 1909, nonrecording gage at site 0.8 mi upstream at different datum. Apr. 19, 1920, to May 1, 1921, nonrecording gage, and May 2, 1921, to Nov. 5, 1933, water-stage recorder, at site 400 ft downstream at different datum. Nov. 6, 1933, to June 5, 1976, water-stage recorder, at approximately same site at different datum.

REMARKS.--Estimated daily discharges: Nov. 8-12, 25-28, Dec. 2-4, 6, 7, 9-13, 16, 20-25, 27-31, Jan. 2, 4-15, 24, 25, Jan. 31 to Feb. 8, and Feb. 11. Records good except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 58,000 acres of which about 4,400 acres are irrigated by withdrawals from ground water (1966 determination). Water diverted at times (since 1939) during irrigation season from Henrys Fork through Cross Cut Canal to Teton River 0.8 mi upstream from station, 27,500 acre-ft diverted into river during 1986 irrigation season.

AVERAGE DISCHARGE.--51 years (1934-75, 1978-86), 834 ft³/s, 604,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,700,000 ft³/s, estimated from the average of slope-area measurements of peak flow at Teton, 5.3 mi downstream and near Newdale, 3.4 mi upstream, June 5, 1976 (Teton Dam failure); maximum stage, 42.2 ft; maximum discharge excluding 1976, 11,000 ft³/s Feb. 12, 1962, gage height, 9.36 ft, on basis of contracted-opening measurement of peak flow, site and datum then in use; minimum, 103 ft³/s Oct. 4, 1975, gage height, 2.38 ft, site and datum then in use, due to filling of Teton Reservoir. Minimum, excluding the filling period of Teton Reservoir, 203 ft³/s Jan. 13, 1983, gage height, 2.27 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,550 ft³/s June 3, gage height, 5.78 ft, minimum, 332 ft³/s Feb. 8, gage height, 1.81 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 8-12, 25-28, Dec. 2-4, 6, 7, 9-13,
16, 20-25, 27-31, Jan. 2, 4-15, 24, 25, Jan. 31 to Feb. 8, and Feb. 11)

1.9	355	4.0	1730
2.4	523	5.0	3080
3.0	845	6.0	4950
		6.3	5550

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	521	482	444	415	767	1210	1020	5230	2250	951	890
2	543	518	460	420	405	711	1160	1030	5330	2030	912	825
3	535	518	435	408	420	680	1100	1340	5390	1930	884	765
4	526	513	420	390	430	665	989	1980	5400	1980	831	740
5	520	516	434	380	405	648	930	2230	5160	1980	799	728
6	525	527	425	420	395	630	908	1940	4920	1730	808	719
7	538	519	460	405	375	642	995	1820	4780	1520	783	721
8	579	490	487	400	370	803	1160	1770	4600	1410	835	750
9	581	470	460	430	385	1300	1270	1720	4180	1380	838	762
10	569	460	435	450	405	1090	1410	1620	3910	1330	867	790
11	552	450	425	440	440	892	1380	1560	3670	1290	858	824
12	565	490	465	430	426	705	1410	1420	3490	1380	831	793
13	580	526	470	420	442	745	1390	1270	3400	1260	822	753
14	567	514	466	410	454	708	1300	1230	3340	1190	821	739
15	553	510	458	430	485	675	1220	1200	3380	1120	816	756
16	544	501	425	442	576	655	1150	1180	3410	1160	797	740
17	537	508	443	445	610	631	1120	1190	3430	1450	783	734
18	531	526	449	457	637	603	1050	1200	3400	1290	777	759
19	532	498	453	476	902	579	989	1380	3330	1130	793	885
20	526	473	435	480	974	569	954	1800	3200	1080	846	920
21	529	493	425	473	813	573	965	2550	2970	1050	887	1000
22	540	460	410	450	686	609	1200	2950	2680	1020	949	920
23	556	425	420	434	640	673	1730	2770	2510	983	933	845
24	593	433	430	410	797	688	1790	2270	2460	980	973	809
25	620	465	420	390	1110	709	1730	2010	2490	995	964	816
26	563	435	432	401	1070	676	1540	2340	2560	1150	963	798
27	546	430	435	408	1010	653	1350	3240	2520	1280	907	812
28	535	460	420	447	887	711	1210	4140	2510	1320	853	860
29	530	485	400	455	---	848	1160	4770	2480	1260	835	832
30	526	511	415	455	---	1040	1080	5050	2390	1170	833	805
31	525	---	430	430	---	1170	---	5210	---	1040	900	---
TOTAL	17010	14645	13624	13331	16964	23155	36850	67200	108520	42148	26649	24090
MEAN	549	488	439	430	606	747	1228	2168	3617	1360	860	803
MAX	620	527	487	480	1110	1300	1790	5210	5400	2250	973	1000
MIN	520	425	400	380	370	569	908	1020	2390	980	777	719
AC-FT	33740	29050	27020	26440	33650	45930	73090	133300	215200	83600	52860	47780

CAL YR 1985	TOTAL	306976	MEAN	841	MAX	2730	MIN	400	AC-FT	608900
WTR YR 1986	TOTAL	404186	MEAN	1107	MAX	5400	MIN	370	AC-FT	801700

13055198 NORTH FORK TETON RIVER AT TETON, ID

LOCATION.--Lat 43°53'53", long 111°40'37", in NW¼NW¼NW¼ sec. 31, T. 7 N., R. 41 E., Fremont County, Hydrologic Unit 17040204, on left bank 60 ft upstream from county road bridge, 0.4 mi downstream from point of diversion, 0.5 mi north of Teton, and at mile 16.2.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 12, 13, Nov. 20 to Apr. 16, May 7-21, May 27 to Sept. 17. Records poor. Flow partially regulated by headworks 0.4 mi upstream. Diversions from tributaries above station for irrigation in Wyoming and Idaho.

AVERAGE DISCHARGE.--9 years, 339 ft^3/s, 245,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,400 ft^3/s June 4, 1986; maximum gage height, 13.63 ft Feb. 10, 1981 (result of ice jam); minimum, 0.90 ft^3/s Jan. 5, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,400 ft^3/s June 4; minimum daily, 31 ft^3/s Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	212	92	37	42	225	295	481	2250	840	415	350
2	183	207	90	38	41	215	300	490	2300	800	385	340
3	183	236	82	39	41	210	320	686	2350	780	375	320
4	181	247	74	37	40	205	310	1070	2400	780	360	305
5	179	250	70	33	39	200	300	1270	2350	780	350	285
6	181	254	72	34	38	200	300	1130	2300	660	330	275
7	184	256	68	34	36	220	300	1070	2200	550	320	270
8	200	255	68	33	34	300	320	1030	2150	545	345	275
9	210	266	72	34	31	410	360	980	2000	540	355	280
10	201	257	64	36	34	370	430	940	1850	535	360	290
11	191	230	52	35	37	300	420	860	1750	550	355	295
12	199	140	46	35	36	250	410	760	1650	560	350	280
13	206	145	49	36	47	240	400	650	1500	540	345	265
14	206	151	51	37	54	230	420	630	1400	500	340	260
15	197	151	45	36	70	220	415	620	1350	481	335	260
16	221	148	50	35	86	215	410	610	1350	550	330	255
17	218	148	51	35	110	210	405	630	1350	590	325	250
18	214	156	52	35	140	210	397	720	1350	510	325	255
19	213	154	49	34	175	205	374	860	1300	470	340	278
20	213	140	47	36	215	200	364	1180	1250	460	360	301
21	212	110	46	35	180	200	356	1730	1150	440	389	338
22	216	100	44	34	140	220	397	2180	1050	430	390	326
23	222	94	45	37	120	240	612	1780	1050	420	380	297
24	239	100	46	36	170	250	787	1470	1050	400	390	282
25	260	106	47	35	300	270	805	1280	1050	430	400	268
26	235	100	48	33	280	250	728	1500	1050	480	390	289
27	224	94	43	35	260	240	842	1660	1000	530	380	251
28	216	96	39	37	245	250	579	1800	980	550	360	222
29	213	97	36	38	---	260	550	1980	960	510	350	224
30	211	102	33	40	---	270	501	2100	920	470	345	203
31	208	---	35	41	---	285	---	2200	---	440	355	---
TOTAL	6415	5002	1704	1110	3041	7570	13207	36347	46660	17121	11129	8389
MEAN	207	167	55.0	35.8	109	244	440	1172	1555	552	359	280
MAX	260	266	92	41	300	410	805	2200	2400	840	415	350
MIN	179	94	33	33	31	200	295	481	920	400	320	203
AC-FT	12720	9920	3380	2200	6030	15020	26200	72090	92550	33960	22070	16640

CAL YR 1985 TOTAL 115322 MEAN 316 MAX 1200 MIN 33 AC-FT 228700
WTR YR 1986 TOTAL 157695 MEAN 432 MAX 2400 MIN 31 AC-FT 312800

13055319 MOODY CREEK NEAR REXBURG, ID

LOCATION.--Lat 43°46'48", long 111°37'21", in NW¼SW¼NW¼ sec.10, T.5 N., R.41 E., Madison County, Hydrologic Unit 17040204, on right bank 11 ft upstream of road bridge, 0.9 mi upstream from Dry Canyon Creek, and approximately 8.5 mi southeast of Rexburg.

PERIOD OF RECORD.--October 1979 to July 1983, January 1984 to September 1986 (station discontinued).

GAGE.--Nonrecording gage, staff and crest-stage gages. Elevation of gage is 5,240 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-5, 21, 22, 24, Nov. 11, 12, Nov. 16 to Feb. 23, Mar. 1, 8, 13, 16, 26, Apr. 13, 25, May 11, June 14, 15, July 2, 6, 13, 15, 16, Aug. 7, 16, 23, 25, 26, 29-31, Sept. 1, 17, 18, 23-26, 28, 30. Records fair.

AVERAGE DISCHARGE.--5 years (1980-82, 1985-86), 21 ft3/s, 15,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 546 ft^3/s May 27, 1983, gage height, 4.70 ft; minimum daily discharge, 0.71 ft^3/s on many days during 1981.

EXTREMES FOR CURRENT YEAR.--Maximum observed discharge, 179 ft^3/s Apr. 23, gage height, 3.60 ft; minimum daily discharge, 1.6 ft^3/s Nov. 22, 23, Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	3.9	2.6	3.5	8.6	25	83	90	151	26	5.9	5.9
2	5.1	4.3	4.5	2.8	6.2	19	85	104	157	21	5.9	6.3
3	5.1	3.9	5.6	3.0	6.8	17	73	116	149	17	6.3	5.5
4	5.5	3.2	4.5	2.9	5.6	18	66	157	145	15	6.3	5.1
5	5.5	3.2	4.9	2.2	3.8	18	66	145	132	14	5.5	4.7
6	5.5	3.2	4.4	2.9	2.8	26	69	125	128	13	4.7	4.7
7	5.5	3.2	5.4	2.7	2.1	23	80	116	117	11	5.0	5.5
8	5.5	3.2	5.0	2.6	1.9	38	89	107	112	11	5.5	5.5
9	6.7	2.5	4.7	2.6	1.6	66	100	100	100	12	5.1	5.5
10	5.5	1.8	2.2	3.0	2.3	67	100	94	92	11	6.3	6.3
11	5.5	2.2	2.0	3.0	2.0	53	106	90	82	12	5.5	3.2
12	7.1	2.8	1.8	3.1	2.9	37	108	88	77	11	6.3	4.7
13	7.1	3.2	2.1	3.0	4.5	33	104	89	67	8.0	5.1	4.7
14	5.5	3.2	2.5	3.0	5.5	29	99	83	62	5.9	3.5	4.7
15	7.1	3.2	2.4	3.0	6.7	31	90	89	58	7.0	3.5	4.7
16	7.1	2.1	1.9	4.5	8.2	24	88	88	61	8.5	4.5	4.7
17	6.3	4.0	2.3	4.3	10	18	88	86	55	9.8	5.5	4.7
18	5.5	2.4	2.5	4.4	13	18	79	89	52	8.0	5.9	5.1
19	5.5	1.9	2.7	4.0	15	18	74	100	51	8.0	3.2	5.1
20	5.5	2.3	2.6	7.0	18	18	75	109	49	1.8	2.5	5.5
21	6.0	2.6	2.6	5.8	21	19	93	143	45	2.8	3.5	7.5
22	6.8	1.6	2.3	4.3	26	29	123	145	43	4.3	3.5	3.5
23	7.1	1.6	2.0	4.5	32	31	171	128	36	4.3	4.5	3.6
24	7.2	2.4	2.2	5.8	40	33	157	114	35	4.3	5.5	3.4
25	7.1	3.4	2.2	4.5	35	38	139	114	29	5.9	5.0	3.2
26	7.1	2.7	1.9	3.4	29	40	121	116	27	7.5	5.5	5.4
27	5.9	2.5	2.1	4.5	39	43	123	133	27	8.0	5.5	5.9
28	5.5	2.8	1.9	6.0	30	53	102	154	26	8.0	5.9	6.7
29	5.1	3.2	2.2	7.4	---	70	100	170	26	4.7	6.3	7.5
30	5.5	2.8	2.0	6.7	---	94	89	168	25	7.1	5.9	5.9
31	5.9	---	3.0	7.8	---	100	---	161	---	6.3	6.3	---
TOTAL	186.0	85.3	91.0	128.0	379.5	1146	2940	3611	2216	294.2	159.4	154.7
MEAN	6.00	2.84	2.94	4.13	13.6	37.0	98.0	116	73.9	9.49	5.14	5.16
MAX	7.2	4.3	5.6	7.8	40	100	171	170	157	26	6.3	7.5
MIN	4.7	1.6	1.8	2.2	1.6	17	66	83	25	1.8	2.5	3.2
AC-FT	369	169	180	254	753	2270	5830	7160	4400	584	316	307

CAL YR 1985	TOTAL	6693.6	MEAN	18.3	MAX	158	MIN	1.2	AC-FT 13280
WTR YR 1986	TOTAL	11391.1	MEAN	31.2	MAX	171	MIN	1.6	AC-FT 22590

13055340 SOUTH FORK TETON RIVER AT REXBURG, ID

LOCATION.--Lat 43°50'07", long 111°46'38", SW¼SW¼NW¼, sec. 20, T. 6 N., R. 40 E. Madison County, Hydrologic Unit 17040204, on left bank at upstream side of bridge on U.S. Highway 20, 0.6 mi north of Rexburg, and at mile 19.1.

PERIOD OF RECORD.--November 1981 to current year (fragmentary).

GAGE.--Nonrecording gage. Elevation of gage is 4,860 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 23, 27, Dec. 4, 9, 10, 13, 18, 24, and Jan. 24. Records fair. Diversions above station used for irrigation above and below gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,410 ft^3/s May 16, 1984, gage height, 7.27 ft. No flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 2,930 ft^3/s June 3, gage height, 6.67 ft; minimum observed, 30 ft^3/s Aug. 19, gage height, 0.68 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	870	156	125
2	---	---	---	---	---	---	---	745	---	850	83	174
3	---	---	---	---	---	325	---	---	2930	645	---	174
4	---	---	180	---	---	---	---	---	---	665	72	77
5	---	122	---	---	---	---	637	---	2850	689	35	77
6	---	---	---	---	---	392	---	850	---	---	41	72
7	---	---	---	---	---	---	---	---	2820	468	32	---
8	---	---	---	---	---	---	810	935	---	395	56	72
9	---	129	176	---	---	---	---	---	2160	312	72	66
10	---	---	179	---	---	325	---	960	---	308	---	66
11	---	---	---	---	---	---	895	---	---	250	77	111
12	---	---	---	---	---	---	---	---	1730	260	72	125
13	---	---	180	---	---	---	---	625	---	---	72	111
14	---	---	---	---	---	---	790	---	1610	212	39	---
15	136	176	---	---	---	300	---	589	---	104	39	111
16	---	---	---	---	---	---	---	---	1690	100	35	90
17	---	---	---	---	265	---	653	524	1690	194	---	90
18	120	---	180	---	---	---	---	---	1610	275	33	97
19	---	186	---	---	---	---	---	---	1480	182	30	97
20	---	---	---	---	---	---	---	733	1400	---	66	147
21	---	---	---	---	---	---	---	---	1300	104	83	---
22	129	---	---	---	398	292	1170	754	---	83	83	182
23	---	183	---	---	---	---	---	---	1100	83	104	147
24	138	---	190	209	---	---	---	990	1080	83	---	---
25	---	---	---	---	---	---	1210	---	1040	97	118	147
26	134	---	---	---	---	371	---	1200	1010	220	111	---
27	---	180	---	---	404	---	---	---	965	---	121	158
28	---	---	---	---	---	---	776	1870	940	356	104	---
29	129	---	---	---	---	440	---	---	---	322	96	202
30	---	---	---	---	---	---	---	2460	985	308	90	206
31	96	---	---	---	---	---	---	---	---	206	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC-FT	---	---	---	---	---	---	---	---	---	---	---	---

13056500 HENRYS FORK NEAR REXBURG, ID

LOCATION.--Lat 43°49'34", long 111°54'15", in NW¼NE¼ sec.30, T.6 N., R.39 E., Madison County, Hydrologic Unit 17040203, on right bank 200 ft downstream from highway bridge, 6 mi west of Rexburg, and at mile 9.2.

DRAINAGE AREA.--2,920 mi^2, approximately.

PERIOD OF RECORD.--April 1909 to current year. Monthly discharge only for some periods, published in WSP 1317. Prior to 1911, published as "North Fork of Snake River near Rexburg."

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,806.35 ft above National Geodetic Vertical Datum of 1929. Apr. 13, 1909, to Sept. 28, 1912, nonrecording gage at datum 0.67 ft higher. Sept. 29, 1912, to Apr. 4, 1913, nonrecording gage at present datum.

REMARKS.--Estimated daily discharges: Oct. 6-20, Nov. 12-18, 21, 25-30, Dec. 5-13, Dec. 15 to Feb. 6, Feb 12, 13, and 16-20. Records good except for estimated daily discharges, which are fair. Flow regulated by operation of powerplant near Ashton, and by Henrys Lake (see sta 13039000), Island Park Reservoir, and Grassy Lake. Diversions above station for irrigation of about 5,000 acres below and about 204,000 acres above station, of which about 21,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above station into the Snake Plain aquifer. Station is downstream from all tributaries except inflow from ground water and irrigation waste.

AVERAGE DISCHARGE.--77 years, 2,111 ft^3/s, 1,529,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 79,000 ft^3/s June 5, 1976; maximum gage height, 22.36 ft June 5, 1976, result of Teton Dam failure; maximum discharge excluding 1976, 16,400 ft^3/s May 17, 1984, gage height, 12.05 ft from high-water mark in gage well; minimum, 183 ft^3/s Mar. 24-28, 1934, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,940 ft^3/s June 4, gage height, 9.96 ft; minimum, 1,590 ft^3/s Aug. 7, 8, gage height, 4.60 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 12-18, 21, 25-30, Dec. 5-13, Dec. 15 to Feb. 6, Feb. 12, 13, and 16-20; shifting-control method used Oct. 1 to Feb. 28, Apr. 23-30, May 3-13, May 21 to June 28, and Aug. 9 to Sept. 30)

4.00	1140	7.00	3890
5.00	1830	8.00	5370
6.00	2730	9.00	7210
		10.00	9500

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1990	2500	2350	2750	2650	2690	3560	5420	8210	3490	2370	2350
2	2040	2200	2490	2700	2700	2580	3650	5260	8330	3190	2130	2430
3	2010	2220	2610	2700	2620	2520	3480	5710	8870	2860	2040	2490
4	1980	2200	2770	2650	2650	2480	3110	6630	8920	2840	1960	2400
5	1940	2000	2520	2600	2520	2410	3030	7860	8830	3060	1850	2330
6	1860	2040	2350	2500	2400	2370	2990	7810	8790	2840	1700	2260
7	1850	2200	2120	2400	2360	2360	3250	7450	8700	2450	1630	2220
8	1940	2150	2180	2450	2310	2590	3720	7250	8480	2230	1640	2250
9	2080	2250	2250	2550	2180	3350	4350	6980	8550	2150	1740	2190
10	2000	2250	2350	2680	2240	3430	4780	6540	8490	2340	1850	2210
11	2040	2260	2200	2720	2280	3090	4980	6200	8200	2510	1950	2220
12	2080	2180	2000	2600	2200	2730	5110	6180	7690	2610	1990	2210
13	2150	2140	2100	2500	2320	2610	5680	5910	7240	2890	1980	2110
14	2200	2050	2140	2420	2400	2460	5550	5620	6700	2810	1870	1930
15	2160	1950	2250	2450	2590	2310	4860	5370	6550	2550	1860	1950
16	2080	1900	2200	2400	2680	2170	4580	5100	6900	2450	1800	1930
17	2050	1880	2100	2500	2500	2180	4790	4870	7080	2450	1800	1900
18	2040	2060	2080	2600	2750	2100	4730	4810	6770	2560	1780	1960
19	1980	2380	2280	2500	2850	2010	4600	4970	6510	2160	1700	2110
20	2000	2380	2450	2550	2900	1970	4430	5290	6190	2050	1650	2340
21	2070	2380	2460	2600	2880	1990	4460	5860	5820	1970	1720	2530
22	2130	2180	2400	2540	2670	2040	5050	6820	5510	1860	2010	2530
23	2080	1950	2440	2500	2580	2150	6020	7470	5120	1780	2090	2430
24	2380	2140	2480	2540	2530	2240	6840	7000	4630	1810	2230	2380
25	2620	2300	2520	2620	2770	2310	7150	6350	4380	1960	2240	2410
26	2670	2420	2460	2500	2980	2350	6860	5950	4340	2430	2230	2450
27	2600	2300	2440	2480	2940	2260	6400	6400	4120	2980	2130	2470
28	2540	2200	2600	2500	2820	2340	5910	7040	3850	3250	2070	2490
29	2440	2320	2500	2550	---	2550	5730	7670	3720	3170	1980	2550
30	2420	2460	2540	2580	---	2870	5750	8010	3670	2910	2110	2560
31	2390	---	2700	2620	---	3230	---	8190	---	2590	2280	---
TOTAL	66810	65820	73330	79250	72270	76740	145400	197990	201160	79220	60380	68590
MEAN	2155	2194	2365	2556	2581	2475	4847	6387	6705	2555	1948	2286
MAX	2670	2500	2770	2750	2980	3430	7150	8190	8920	3490	2370	2560
MIN	1850	1880	2000	2400	2180	1970	2990	4810	3670	1780	1630	1900
AC-FT	132500	130600	145500	157200	143300	152200	288400	392700	399000	157100	119800	136000

CAL YR 1985 TOTAL 945927 MEAN 2592 MAX 8270 MIN 947 AC-FT 1876000
WTR YR 1986 TOTAL 1186660 MEAN 3252 MAX 8920 MIN 1630 AC-FT 2354000

13056600 TEXAS SLOUGH NEAR REXBURG, ID

LOCATION.--Lat 43°47'17", long 111°53'44", in NE¼SE¼SW¼ sec. 5, T.5 N., R.39 E., Madison County, Hydrologic Unit 17040204. Station is 6.3 mi west and 2.8 mi south of Rexburg.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,820 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 6-25, Dec. 11-17, Apr. 4, 5, 13-15, 17-21, and Apr. 23 to July 7. Records fair except for period of backwater effect, Apr. 23 to July 7, which is poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 331 ft^3/s July 26, 1986; minimum, 38 ft^3/s Jan. 21, 1986, gage height, 3.72 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 331 ft^3/s July 26, gage height, 6.63 ft; minimum, 38 ft^3/s Jan. 21, gage height, 3.72 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	84	52	43	42	70	50	61	197	189	267	294
2	127	84	52	43	42	67	50	62	210	198	238	293
3	123	82	52	43	42	65	49	65	220	184	230	296
4	114	82	49	43	42	63	62	68	236	190	228	304
5	108	82	49	43	43	61	57	70	230	201	226	307
6	109	82	47	43	42	60	52	71	230	196	226	285
7	109	82	47	43	41	59	50	70	229	197	227	271
8	109	82	46	43	41	60	51	68	231	217	238	280
9	112	83	45	43	41	58	50	65	229	221	251	285
10	109	82	46	43	41	57	49	63	225	236	264	280
11	106	79	45	43	42	57	50	64	217	230	281	276
12	104	74	45	43	42	56	51	66	211	230	276	274
13	103	71	45	43	42	55	54	66	200	250	270	273
14	101	68	45	43	41	55	54	66	194	239	265	267
15	99	66	44	43	45	54	52	67	191	226	271	270
16	97	64	44	42	49	53	52	68	194	227	277	278
17	95	62	44	43	54	54	53	70	200	233	277	264
18	92	61	43	42	67	53	56	73	202	239	285	246
19	91	61	43	42	84	53	58	75	199	261	281	258
20	90	60	43	42	84	53	60	76	193	254	282	282
21	90	59	43	42	80	53	59	85	189	246	286	299
22	89	59	43	41	78	52	60	92	182	248	294	306
23	88	58	43	41	78	51	62	100	178	252	294	281
24	85	57	43	41	79	51	65	107	176	242	316	271
25	85	57	43	41	78	50	67	110	176	267	319	266
26	85	58	43	40	77	50	66	120	177	305	313	267
27	84	55	44	41	75	50	65	138	177	310	314	273
28	85	55	44	41	72	50	63	160	195	308	306	278
29	84	55	44	41	---	50	62	170	190	296	281	271
30	84	53	44	41	---	50	61	182	187	287	280	246
31	84	---	43	42	---	50	---	188	---	281	288	---
TOTAL	3071	2057	1403	1308	1584	1720	1690	2806	6065	7460	8451	8341
MEAN	99.1	68.6	45.3	42.2	56.6	55.5	56.3	90.5	202	241	273	278
MAX	130	84	52	43	84	70	67	188	236	310	319	307
MIN	84	53	43	40	41	50	49	61	176	184	226	246

WTR YR 1986 TOTAL 45956 MEAN 126 MAX 319 MIN 40

13057090 SPRING CREEK NEAR MENAN, ID

LOCATION.--Lat 43°43'50", long 112°02'30", NW¼SW¼SW¼ sec. 30, T.5 N., R.38 E., Jefferson County, Hydrologic Unit 17040201, on upstream right side of bridge, 2.0 mi west and 0.65 mi north of Menan.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,780 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 12-19. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 241 ft^3/s July 7, 1985, gage height, 8.04 ft; minimum, 14 ft^3/s Feb. 11, 1986, gage height, 5.13 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 203 ft^3/s June 9, gage height, 7.80 ft; minimum, 14 ft^3/s Feb. 11, gage height, 5.13 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	35	26	18	16	25	20	23	47	132	69	60
2	35	37	26	18	16	24	21	23	58	132	66	53
3	34	41	26	18	16	24	21	23	74	106	67	62
4	33	41	25	18	16	23	21	24	100	107	66	63
5	34	41	25	18	16	23	21	24	119	120	68	68
6	34	41	25	18	16	23	20	24	131	131	63	66
7	34	41	25	18	16	22	20	25	148	102	74	70
8	33	40	24	18	16	22	20	25	185	95	63	70
9	33	31	24	17	16	22	20	26	178	89	63	75
10	33	30	24	17	16	22	20	26	145	93	56	72
11	33	32	23	17	16	22	20	26	138	90	52	74
12	38	35	23	17	16	22	20	26	139	76	49	75
13	37	30	23	17	16	21	21	27	131	104	49	75
14	36	30	22	16	16	21	21	27	130	98	49	76
15	36	30	22	16	17	21	21	27	143	98	47	71
16	37	30	22	16	18	21	22	27	99	97	45	50
17	38	31	22	16	20	21	22	27	99	105	45	48
18	38	31	21	16	26	21	22	27	133	92	48	74
19	38	30	21	16	34	21	22	27	156	94	53	77
20	37	32	21	16	32	21	22	28	156	123	53	80
21	35	31	21	16	30	21	22	31	137	94	58	77
22	36	29	20	16	30	21	22	33	147	109	62	72
23	36	29	20	16	30	21	22	35	124	109	61	69
24	36	29	20	16	29	21	22	40	106	100	79	66
25	37	27	19	16	28	21	22	43	97	96	75	67
26	30	29	19	16	27	21	22	50	115	98	74	66
27	31	28	19	16	26	21	22	46	125	100	74	63
28	31	28	19	16	25	21	22	63	119	89	73	61
29	32	28	19	16	---	21	22	60	153	86	74	59
30	35	27	19	16	---	20	22	57	123	82	75	59
31	35	---	18	16	---	20	---	57	---	74	72	---
TOTAL	1080	974	683	517	596	671	637	1027	3755	3121	1922	2018
MEAN	34.8	32.5	22.0	16.7	21.3	21.6	21.2	33.1	125	101	62.0	67.3
MAX	38	41	26	18	34	25	22	63	185	132	79	80
MIN	30	27	18	16	16	20	20	23	47	74	45	48

WTR YR 1986 TOTAL 17001 MEAN 46.6 MAX 185 MIN 16

13057160 SNAKE RIVER NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°35'21", long 112°03'29", in NE¼NW¼SW¼ sec. 13, T.3 N., R.37 E., Bonneville County, Hydrologic Unit 17040201, on right bank 2.5 mi upstream of Idaho Falls Municipal Powerplant, 5.5 mi north of Idaho Falls, and at mile 803.

PERIOD OF RECORD.--November 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,700.00 ft, National Geodetic Vertical Datum of 1929 (levels by U.S. Geological Survey). November 1962 to September 1983 at datum 30.94 ft lower. Since April 1984, auxiliary water-stage recorder approximately 2 mi downstream from base gage at head of island above Idaho Falls Powerplant at National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges Nov. 5, 6, Nov. 20 to Jan. 31, Feb. 4-28, Mar. 3-8, and Aug. 13. Records fair except for estimated daily discharges, which are poor. Some regulation by Jackson Lake, Palisades Reservoir, Island Park Reservoir, Henrys Lake, and Grassy Lake. Diversions above station for irrigation of about 700,000 acres. Considerable water leaks above station into the Snake Plain aquifer. Discharge computed from slope and conveyance of the reach between the base and auxiliary gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 28,900 ft^3/s May 16, 1984; maximum gage height, 43.43 ft Feb. 8, 1983 (ice jam); minimum daily discharge, 2,830 ft^3/s Oct. 20, 1986; minimum observed gage height, 31.19 ft Sept. 23, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,100 ft^3/s June 25, gage height, 38.56 ft; maximum gage height, 39.28 ft May 24; minimum daily discharge, 2,830 ft^3/s Oct. 20; minimum observed gage height, 32.25 ft Aug. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3030	3320	4000	4950	4660	7330	18800	23000	22500	20600	6330	5750
2	3110	3360	3850	4900	4500	7330	18600	22500	22300	19100	5650	5820
3	3120	3180	4000	4750	4560	7240	19100	20900	22300	16600	5180	5980
4	3130	3150	4200	4900	4550	7350	18500	23000	22200	14700	4920	6080
5	3090	3120	4150	5100	4450	7400	14500	24200	22500	15800	4690	6170
6	3070	3100	4300	4950	4400	7650	14200	24500	22900	17300	4510	6120
7	3180	3100	4250	4650	4350	8100	14300	24600	23600	16500	4640	6090
8	3060	3090	4350	4850	4300	8650	14800	24600	24000	12600	5010	6130
9	3120	3010	4200	5050	4250	9210	15300	24600	24300	11300	5240	6030
10	3140	2980	4050	5200	4250	10000	15900	24500	24300	11500	5490	6010
11	3170	3020	3650	5200	4300	9960	16200	24200	24100	11000	5740	5900
12	3230	3330	3350	5100	4250	9610	17400	23900	23900	11000	5800	5620
13	3160	3250	3000	5400	4400	9340	17900	23600	23800	10300	5700	5820
14	3280	3190	3150	5650	4650	9170	17600	23500	23700	10400	5650	5540
15	3240	3070	3450	5800	4950	9070	18900	22800	24100	9410	5740	5580
16	3150	3300	3650	6000	4900	9830	19000	22400	24700	8700	5700	5760
17	3040	3180	3550	5850	4850	10600	19400	22200	26000	8360	5880	5830
18	2920	3360	3500	5650	5050	11200	21000	21800	26400	8200	5890	5810
19	2860	3320	3600	5450	5300	13100	21100	21500	26500	8270	5600	5920
20	2830	3550	3550	5600	5400	15000	20800	21500	26400	7850	5200	6430
21	2890	3700	3450	5460	5200	16400	21300	23100	26300	7200	5050	7410
22	2880	3600	3800	5350	5000	17200	21400	24000	26200	5710	5120	7900
23	2950	3550	4200	5100	4800	17500	22400	24400	26000	5120	5450	7790
24	2880	3700	4150	4950	4700	18000	22900	24800	25400	4970	5720	7440
25	3030	3800	4050	4800	4850	18500	24000	24500	24600	5400	5790	7590
26	3180	3950	3950	4600	5400	18700	24100	23700	23500	6210	5760	7640
27	3290	4050	4100	4400	6000	18700	24100	22600	23300	7600	5610	7810
28	3400	4100	4200	4450	7300	18800	23200	22300	22400	7030	5280	8010
29	3280	4000	4300	4500	---	19000	22900	22200	21800	7660	5050	8100
30	3240	4150	4400	4550	---	18600	23300	22400	21500	7180	5270	8340
31	3260	---	4650	4600	---	18400	---	22600	---	6800	5610	---
TOTAL	96210	102580	121050	157730	135570	386940	582930	720400	721500	321270	168270	196620
MEAN	3104	3419	3905	5089	4842	12480	19430	23240	24050	10360	5428	6554
MAX	3400	4150	4650	6000	7300	19000	24100	24800	26500	20600	6330	8340
MIN	2830	2980	3000	4400	4250	7240	14200	20900	21500	4970	4510	5540
AC-FT	190800	203500	240100	312900	268900	767500	1156000	1429000	1431000	637200	333800	390000

CAL YR 1985 TOTAL 2402400 MEAN 6582 MAX 23300 MIN 2830 AC-FT 4765000
WTR YR 1986 TOTAL 3711070 MEAN 10170 MAX 26500 MIN 2830 AC-FT 7361000

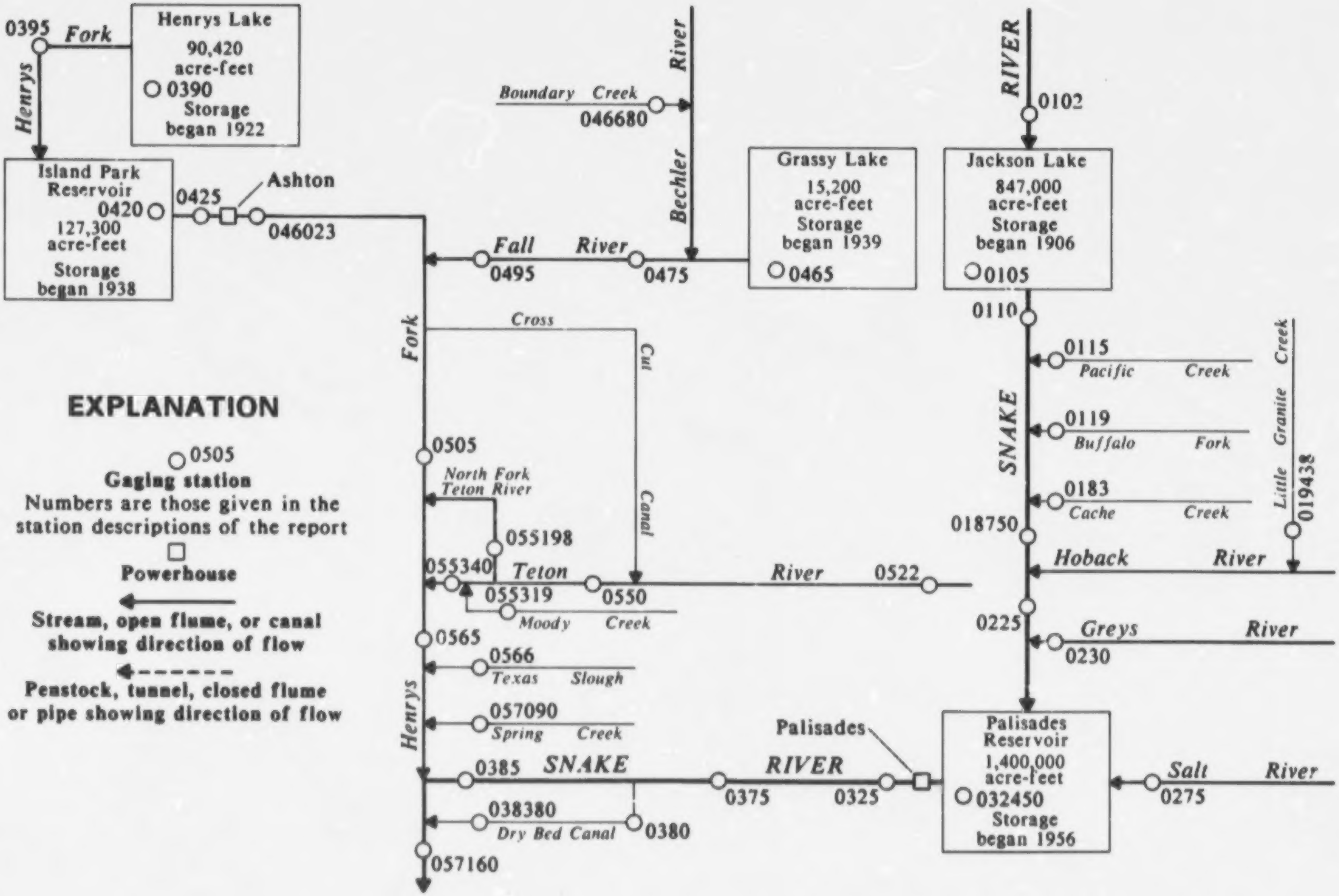

0395
Fork
Henrys
Henrys Lake
90,420
acre-feet
0390
Storage
began 1922
Island Park
Reservoir
0420
127,300
acre-feet
Storage
began 1938
0425
Ashton
046023
Boundary Creek
046680
River
Bechler
Fall River
0495
0475
Grassy Lake
15,200
acre-feet
Storage
began 1939
0465
RIVER
0102
Jackson Lake
847,000
acre-feet
Storage
began 1906
0105
0110
0115
Pacific Creek
0119
Buffalo Fork
0183
Cache Creek
Little Granite Creek
019438
SNAKE
018750
Hoback River
0225
Greys River
0230
Fork
Cross
Cut
Canal
0505
North Fork
Teton River
055198
055340
Teton
055319
0550
River
0522
Moody Creek
0565
0566
Texas Slough
057090
Spring Creek
Henrys
0385
SNAKE
RIVER
0375
0325
Palisades
Palisades
Reservoir
1,400,000
acre-feet
032450
Storage
began 1956
Salt River
0275
038380
Dry Bed Canal
0380
057160
EXPLANATION
0505
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 16.--Gaging stations in Snake River basin between Jackson Lake and Idaho Falls.

13057400 GRAYS LAKE NEAR WAYAN, ID

LOCATION.--Lat 42°59'53", long 111°26'33", in NE¼SW¼ sec. 8, T. 5 S., R. 43 E., Caribou County, Hydrologic Unit 17040205, at Beaver Tail Point, 3.5 mi west of Wayan.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--June 1966 to July 1974, August 1985 to September 1986.

GAGE.--Water-stage recorder. Datum of gage is 6,380.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Since 1924, lake level has been regulated by a dam across the outlet to Willow Creek and by a cut, controlled by headgates, diverting water to Blackfoot Reservoir (see station 13065000).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.40 ft May 5, 1971; lake surface below gage height 4.50 ft for long periods each year prior to 1969.

EXTREMES FOR CURRENT PERIOD.--August to September 1985: Maximum gage height during period, 5.74 ft Aug. 8; minimum, 5.18 ft Sept. 6, 7.

Water year 1986: Maximum gage height, 8.22 ft Apr. 2; minimum, 5.32 ft Oct. 3.

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	5.32
2											---	5.34
3											---	5.34
4											---	5.31
5											---	5.22
6											---	5.18
7											---	5.18
8											5.69	5.25
9											5.68	5.25
10											5.66	5.26
11											5.63	5.31
12											5.58	5.26
13											5.68	5.36
14											5.63	5.27
15											5.55	5.36
16											5.53	5.33
17											5.54	5.28
18											5.51	5.40
19											5.51	5.43
20											5.43	5.48
21											5.43	5.42
22											5.43	5.51
23											5.37	5.51
24											5.37	5.50
25											5.36	5.50
26											5.36	5.42
27											5.37	5.50
28											5.38	5.50
29											5.37	5.50
30											5.35	5.50
31											5.33	---
MEAN											---	5.37
MAX											---	5.51
MIN											---	5.18

WILLOW CREEK BASIN

13057400 GRAYS LAKE NEAR WAYAN, ID--Continued

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.49	5.90	6.02	6.12	6.28	6.89	8.15	7.98	7.19	6.03	5.86	5.68
2	5.43	5.82	6.03	6.10	6.29	6.89	8.21	7.92	7.15	6.02	5.86	5.68
3	5.43	5.82	6.06	6.10	6.29	6.89	8.17	7.87	7.10	6.03	5.81	5.67
4	5.43	5.77	6.08	6.10	6.29	6.89	8.12	7.89	7.04	5.97	5.81	5.65
5	5.38	5.81	6.08	6.10	6.29	7.02	8.07	7.90	6.97	6.07	5.78	5.65
6	5.41	5.77	6.08	6.13	6.29	7.12	8.03	7.91	6.93	6.05	5.77	5.64
7	5.45	5.89	6.08	6.13	6.29	7.23	8.01	7.93	6.89	6.07	5.73	5.65
8	5.49	5.92	6.00	6.13	6.29	7.47	7.99	7.96	6.83	6.07	5.74	5.72
9	5.52	5.90	5.97	6.13	6.29	7.59	8.03	7.94	6.81	6.08	5.70	5.76
10	5.57	5.89	6.12	6.12	6.29	7.79	8.05	7.92	6.73	6.05	5.71	5.80
11	5.54	5.90	6.09	6.12	6.29	7.75	8.06	7.93	6.64	5.89	5.68	5.77
12	5.61	5.93	6.08	6.12	6.29	7.79	8.09	7.90	6.54	6.02	5.67	5.75
13	5.62	5.93	6.09	6.12	6.29	7.80	8.13	7.83	6.47	6.00	5.71	5.72
14	5.62	5.93	6.09	6.12	6.30	7.81	8.13	7.79	6.41	5.99	5.70	5.78
15	5.60	5.93	6.09	6.12	6.48	7.79	8.09	7.78	6.29	5.95	5.67	5.73
16	5.58	5.92	6.09	6.13	6.48	7.79	8.14	7.75	6.23	5.98	5.68	5.74
17	5.63	5.93	6.09	6.17	6.49	7.80	8.16	7.70	6.27	5.98	5.64	5.73
18	5.62	5.94	6.09	6.17	6.62	7.80	8.13	7.65	6.33	5.98	5.66	5.81
19	5.60	5.94	6.09	6.17	6.65	7.80	8.11	7.61	6.39	5.97	5.66	5.81
20	5.60	5.94	6.09	6.20	6.66	7.80	8.10	7.55	6.38	5.95	5.66	5.83
21	5.65	5.94	6.09	6.20	6.66	7.83	8.07	7.58	6.35	5.94	5.67	5.84
22	5.59	5.95	6.09	6.20	6.67	7.86	8.06	7.55	6.32	5.90	5.69	5.84
23	5.75	5.95	6.09	6.23	6.76	7.90	8.07	7.51	6.29	5.93	5.71	5.83
24	5.76	5.98	6.09	6.22	6.86	7.93	8.11	7.50	6.24	5.94	5.70	5.88
25	5.81	6.01	6.09	6.21	6.89	7.97	8.13	7.47	6.20	5.95	5.69	5.85
26	5.79	5.99	6.09	6.21	6.90	8.01	8.14	7.42	6.18	5.94	5.67	5.89
27	5.79	5.99	6.09	6.20	6.90	8.05	8.08	7.39	6.11	5.94	5.68	5.93
28	5.80	6.01	6.09	6.20	6.89	8.04	8.06	7.35	6.04	5.94	5.65	5.92
29	5.81	6.01	6.09	6.20	---	8.06	8.05	7.31	5.99	5.93	5.67	5.93
30	5.81	6.01	6.09	6.22	---	8.12	8.01	7.26	5.98	5.90	5.67	5.97
31	5.82	---	6.09	6.27	---	8.15	---	7.22	---	5.89	5.67	---
MEAN	5.61	5.92	6.08	6.16	6.50	7.67	8.09	7.69	6.51	5.98	5.71	5.78
MAX	5.82	6.01	6.12	6.27	6.90	8.15	8.21	7.98	7.19	6.08	5.86	5.97
MIN	5.38	5.77	5.97	6.10	6.28	6.89	7.99	7.22	5.98	5.89	5.64	5.64

WTR YR 1986 MEAN 6.47 MAX 8.21 MIN 5.38

13057940 WILLOW CREEK BELOW TEX CREEK, NEAR RIRIE, ID

LOCATION.--Lat 43°26'33", long 111°43'37", in NE¼SE¼ sec.3, T.1 N., R.40 E., Bonneville County, Hydrologic Unit 17040205, on right bank 0.3 mi below Tex Creek, and 13.2 mi southeast of Ririe.

PERIOD OF RECORD.--August 1977 to September 1979, October 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 5,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 28, Nov. 11 to Mar. 17. Records good except for periods of estimated record, which are fair. Diversions above station for irrigation of about 7,300 acres, of which 100 acres are irrigated by withdrawals from ground water (1966 determination). Since May 1924, water has been diverted from Grays Lake into Meadow Creek basin and thence into Blackfoot Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,490 ft^3/s Apr. 23, 1986, gage height, 5.76 ft; minimum, 10 ft^3/s Aug. 25, 1977, gage height, 1.99 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,490 ft^3/s Apr. 23, gage height, 5.76 ft; minimum daily, 40 ft^3/s Dec. 11.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Oct. 28 and Nov. 11 to Feb. 15)

2.4	39	4.0	428
2.5	51	5.0	950
3.0	125	6.0	1680

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	52	44	50	50	100	807	727	505	139	85	85
2	50	52	46	51	49	110	749	753	491	135	82	79
3	50	53	48	50	50	118	625	839	472	131	79	77
4	49	52	46	48	49	122	581	931	450	126	76	79
5	49	52	45	47	48	130	564	986	426	121	74	74
6	49	53	47	48	47	140	599	972	403	122	71	72
7	53	53	50	48	46	150	693	951	386	122	67	70
8	70	62	52	47	45	190	769	904	383	125	67	70
9	64	61	45	48	48	304	849	906	403	122	66	69
10	61	51	42	50	53	270	904	891	381	119	66	73
11	57	48	40	48	51	256	940	880	353	118	64	71
12	57	50	42	47	54	244	1010	839	329	114	64	68
13	59	51	46	46	57	228	1030	739	310	110	62	62
14	57	50	44	47	56	218	878	715	295	104	61	54
15	57	48	47	49	60	202	832	685	295	106	61	53
16	56	47	48	52	63	195	856	672	280	117	61	62
17	53	50	49	51	68	190	853	657	259	152	62	56
18	53	52	50	49	74	186	770	632	244	123	62	55
19	52	48	51	47	78	182	718	633	219	112	60	69
20	51	45	50	47	75	178	739	654	203	104	63	76
21	51	44	48	46	72	188	964	698	194	100	66	78
22	61	43	47	45	70	238	1150	760	188	96	66	85
23	66	42	49	45	80	255	1370	765	183	92	66	82
24	70	45	52	45	92	296	1240	683	174	93	68	76
25	68	48	51	47	102	355	1110	614	168	100	68	71
26	62	46	49	49	99	337	1040	587	167	113	65	69
27	57	44	48	51	94	353	929	579	161	112	61	69
28	55	46	49	53	92	422	868	572	154	104	58	68
29	53	45	48	55	---	532	833	560	149	101	130	69
30	52	44	47	53	---	671	747	543	144	94	117	70
31	52	---	49	52	---	837	---	526	---	88	93	---
TOTAL	1743	1477	1469	1511	1822	8197	26017	22853	8769	3515	2211	2111
MEAN	56.2	49.2	47.4	48.7	65.1	264	867	737	292	113	71.3	70.4
MAX	70	62	52	55	102	837	1370	986	505	152	130	85
MIN	49	42	40	45	45	100	564	526	144	88	58	53
AC-FT	3460	2930	2910	3000	3610	16260	51600	45330	17390	6970	4390	4190

WTR YR 1986 TOTAL 81695 MEAN 224 MAX 1370 MIN 40 AC-FT 162000

13057950 RIRIE LAKE NEAR RIRIE, ID

LOCATION.--Lat 43°34'51", long 111°44'31", in NW¼NW¼ sec.22, T.3 N., R.41 E., Bonneville County, Hydrologic Unit 17040205, at control tower of Ririe Dam on Willow Creek, 3.4 mi southeast of Ririe, and at mile 20.5.

DRAINAGE AREA.--487 mi^2, excluding area above Grays Lake outlet.

PERIOD OF RECORD.--Reservoir is formed by rock-faced earthfill dam. Some storage began in July 1974. Usable storage for flood control and irrigation began in January 1976. Total capacity is 100,000 acre-ft between elevations 4,997.0 ft, invert of outlet conduit, and 5,118.7 ft. A conservation and sediment pool stores approximately 10,000 acre-ft below 5,023 ft. Release is controlled by two slide gates discharging into a 12-ft diameter outlet conduit, capacity, 1,900 ft^3/s. Spillway crest is at elevation 5,093 ft, controlled by two gates.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

COOPERATION.--Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 80,800 acre-ft May 31, 1986; maximum elevation, 5113.00 ft; minimum daily contents after storage began in January 1976, 500 acre-ft Sept. 30, 1976, elevation, 5,024.40 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 80,800 acre-ft May 31; maximum elevation, 5,113.00 ft; minimum daily contents, 33,500 acre-ft Nov. 22.

Capacity table (elevation, in feet, and contents, in acre-feet)

5,070	28,900	5,110	76,200
5,090	49,500	5,120	92,200

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41300	34500	34400	38000	41500	47300	46000	76200	80700	80700	80000	75900
2	41200	34500	34600	38000	41600	47300	47200	76800	80700	80700	79800	75100
3	40900	34500	34800	38100	41800	47300	48100	77600	80400	80700	79700	74400
4	40900	34400	34900	38200	41900	47300	48900	78500	80300	80700	79600	73500
5	40700	34400	35000	38300	42100	47300	49600	78900	80400	80700	79600	72500
6	40600	34400	35000	38500	42200	47100	50600	79000	80500	80700	79600	71600
7	40500	34300	35200	38600	42300	46900	52000	78800	80500	80700	79400	70700
8	40300	34300	35300	38700	42400	46800	53400	78700	80500	80800	79400	69800
9	40100	34300	35400	38800	42400	46700	55000	78800	80600	80800	79300	68800
10	40000	34300	35500	38900	42600	46600	56700	78900	80600	80700	79300	67900
11	39900	34300	35600	39000	42700	46100	58400	78900	80600	80700	79200	67000
12	39800	34300	35700	39000	42800	45500	60500	78900	80600	80700	79000	66100
13	39700	34200	35800	39200	42900	44800	62400	78900	80600	80700	79000	65400
14	39500	34200	36000	39300	43100	44100	64000	79000	80500	80700	79000	64400
15	39400	34200	36100	39400	43400	43400	65500	79300	80400	80700	78900	63500
16	39300	34200	36200	39500	43800	42700	66600	79700	80400	80700	78700	62600
17	39200	34200	36300	39600	44000	42000	67800	79800	80400	80700	78700	61800
18	39000	34100	36400	39700	44600	41200	67700	80100	80300	80700	78600	61000
19	38900	34200	36500	39800	45100	40500	69100	80200	80300	80700	78600	60200
20	38700	34200	36600	40000	45600	40000	69700	80500	80300	80700	78600	59400
21	38500	34300	36800	40100	45800	40000	70700	80700	80300	80700	78500	58600
22	38200	33500	36900	40200	46100	40000	71500	80700	80300	80600	78500	57900
23	37800	33500	37000	40400	46400	40100	72800	80700	80400	80500	78400	57100
24	37500	33600	37000	40500	46600	40500	73700	80700	80400	80400	78400	56200
25	37000	33800	37200	40600	47000	40700	74300	80400	80600	80200	78400	55400
26	36600	33800	37300	40700	47100	41000	74700	80400	80600	80200	78300	54600
27	36300	34000	37400	40800	47200	41300	74900	80500	80700	80200	78200	53900
28	35800	34100	37500	40900	47300	41700	75000	80700	80700	80200	78200	53100
29	35500	34200	37600	41000	---	42400	75300	80700	80700	80100	77900	52400
30	35200	34300	37700	41100	---	43600	75700	80800	80700	80100	77300	51800
31	34800	---	37800	41300	---	44700	---	80800	---	80100	76600	---
MEAN	38800	34200	36200	39600	44000	43800	63300	79500	80500	80600	78800	63400
MAX	41300	34500	37800	41300	47300	47300	75700	80800	80700	80800	80000	75900
MIN	34800	33500	34400	38000	41500	40000	46000	76200	80300	80100	76600	51800
(†)	5076.31	5075.84	5079.30	5082.73	5088.07	5085.80	5109.64	5112.99	5112.89	5112.48	5110.24	5091.86
(‡)	-6600	-500	3500	3500	6000	-2600	31000	5100	-100	-600	-3500	-24800

CAL YR 1985.......(‡) -1900
WTR YR 1986.......(‡) 10400

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13058000 WILLOW CREEK NEAR RIRIE, ID

LOCATION.--Lat 43°35'02", long 111°44'44", in SE¼SE¼ sec.16, T.3 N., R.40 E., Bonneville County, Hydrologic Unit 17040205, on right bank 0.25 mi downstream from Ririe Dam, 3.4 mi southeast of Ririe, and at mile 20.2.

DRAINAGE AREA.--627 mi^2.

PERIOD OF RECORD.--April 1903 to September 1904, October 1916 to September 1925, May to August 1928, October 1962 to September 1979, Cctober 1985 to September 1986. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Elevation of gage is 4,950 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1904, nonrecording gage at site about 3.25 mi downstream at different datum. October 1916 to June 1921, nonrecording gage, June 1921 to August 1928, water-stage recorder at present site. October 1962 to September 1979, at site 1.75 mi downstream at different datum. Records comparable.

REMARKS.--No estimated daily discharges. Records good. Diversions above station for irrigation of about 7,300 acres, of which about 100 acres are irrigated by withdrawals from ground water (1966 determination). Since May 1924, water has been diverted from Grays Lake, about 40 mi upstream, into Meadow Creek basin and thence into Blackfoot Reservoir. Flow regulated by Ririe Reservoir (sta 13057950) beginning December 1975.

AVERAGE DISCHARGE.--28 years (1904, 1917-25, 1963-79, 1986), 176 ft^3/s, 127,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,200 ft^3/s May 15, 1917, gage height, 16.3 ft; no flow for many days.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since 1899, 5,080 ft^3/s Feb. 11, 1962, from estimate based on field survey, gage height, 15.0 ft from floodmarks; stream reported practically dry during summers of 1899 and 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft^3/s May 7, gage height, 10.02 ft; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	102	.00	.00	.00	209	210	500	488	112	96	422
2	138	75	.00	.00	.00	209	212	500	636	112	96	419
3	138	75	.00	.00	.00	208	212	502	591	100	96	419
4	138	76	.00	.00	.00	207	212	505	400	92	82	494
5	138	76	.00	.00	.00	207	213	651	330	92	74	526
6	138	76	.00	.00	.00	285	127	1070	330	92	74	524
7	139	76	.00	.00	.00	348	68	1230	331	92	74	521
8	139	76	.00	.00	.00	349	88	1090	331	91	74	520
9	139	76	.00	.00	.00	439	89	953	332	91	75	516
10	139	77	.00	.00	.00	615	89	953	332	91	75	516
11	140	77	.00	.00	.00	612	89	954	332	91	75	512
12	140	77	.00	.00	.00	609	90	953	332	91	74	510
13	140	77	.00	.00	.00	605	92	859	332	92	74	508
14	140	78	.00	.00	.00	602	92	704	333	91	74	508
15	140	78	.00	.00	.00	601	172	482	334	91	75	504
16	140	78	.00	.00	.00	598	287	520	299	90	75	503
17	140	78	.00	.00	.00	612	289	561	264	91	74	502
18	140	78	.00	.00	.00	612	389	561	240	106	75	500
19	140	114	.00	.00	.00	610	519	561	175	113	75	498
20	141	292	.00	.00	.00	369	518	594	153	113	75	496
21	190	117	.00	.00	.00	219	519	656	153	113	75	494
22	258	.00	.00	.00	.00	202	520	783	153	113	75	491
23	257	.00	.00	.00	.00	202	705	841	125	113	75	490
24	255	.00	.00	.00	22	203	918	841	105	113	75	488
25	254	.00	.00	.00	115	203	973	840	105	102	75	486
26	254	.00	.00	.00	149	203	973	632	116	97	75	485
27	253	.00	.00	.00	187	204	969	479	134	97	75	482
28	253	.00	.00	.00	209	204	812	480	134	97	75	480
29	252	.00	.00	.00	---	205	722	481	135	96	243	479
30	252	.00	.00	.00	---	206	573	577	127	96	428	478
31	251	---	.00	.00	---	208	---	621	---	96	424	---
TOTAL	5514	2019.00	.00	.00	682.00	11165	11741	22134	8182	3067	3257	14771
MEAN	178	67.3	.00	.00	24.4	360	391	714	273	98.9	105	492
MAX	258	292	.00	.00	209	615	973	1230	636	113	428	526
MIN	138	.00	.00	.00	.00	202	68	479	105	90	74	419
AC-FT	10940	4000	.00	.00	1350	22150	23290	43900	16230	6080	6460	29300

WTR YR 1986 TOTAL 82532.00 MEAN 226 MAX 1230 MIN .00 AC-FT 163700

13058510 SAND CREEK ABOVE WILLOW CREEK DIVERSION, NEAR UCON, ID

LOCATION.--Lat 43°34'16", long 111°53'44", in NE¼SW¼ sec.20, T.3 N., R.39 E., Bonneville County, Hydrologic Unit 17040201, on right bank about 300 ft downstream from Sand Creek control gates, about 0.6 mi east of U.S. Highway 26 crossing with Willow Creek, and 3.3 mi southeast of Ucon.

PERIOD OF RECORD.--March 1978 to September 1979, October 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow controlled by headgates. Water is diverted during the irrigation season from the Snake River through the Eagle Rock Canal to Willow Creek 5.5 mi upstream from the station; about 167,470 acre-ft diverted into creek during 1986 irrigation season. Diversions below Ririe Lake (13057950) and above station for irrigation of about 1,500 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 711 ft^3/s July 24, 1986, gage height, 4.18 ft; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 711 ft^3/s July 24, gage height, 4.18 ft; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	49	.00	.00	.00	.00	35	36	666	636	477	365
2	160	48	.00	.00	.00	.00	36	36	656	622	477	354
3	162	43	.00	.00	.00	.00	36	35	672	627	477	354
4	171	60	.00	.00	.00	.00	34	35	669	631	482	354
5	171	74	.00	.00	.00	.00	32	111	662	613	494	354
6	171	74	.00	.00	.00	.00	28	190	666	603	499	354
7	172	74	.00	.00	.00	10	16	191	669	623	521	358
8	157	74	.00	.00	.00	10	17	183	664	627	538	358
9	120	72	.00	.00	.00	5.8	17	121	661	627	472	354
10	120	74	.00	.00	.00	2.3	17	93	653	655	401	351
11	120	74	.00	.00	.00	.00	16	92	657	669	405	351
12	120	74	.00	.00	.00	.00	17	91	665	627	405	351
13	120	72	.00	.00	.00	.00	17	121	662	609	401	351
14	120	74	.00	.00	.00	10	16	128	665	598	401	351
15	120	74	.00	.00	.00	52	17	113	666	598	401	344
16	102	74	.00	.00	.00	50	23	113	668	627	401	340
17	61	74	.00	.00	.00	48	22	114	673	648	405	340
18	61	74	.00	.00	.00	49	22	114	669	648	405	340
19	62	37	.00	.00	.00	50	26	136	668	641	410	340
20	62	.00	.00	.00	.00	45	23	216	659	634	393	340
21	62	.00	.00	.00	.00	33	22	287	661	627	381	327
22	62	.00	.00	.00	.00	30	22	288	654	620	381	297
23	60	.00	.00	.00	.00	32	25	287	660	627	385	278
24	54	.00	.00	.00	.00	34	22	286	654	641	381	281
25	52	.00	.00	.00	.00	35	19	285	664	641	381	281
26	50	.00	.00	.00	.00	35	33	322	670	592	365	253
27	50	.00	.00	.00	.00	35	49	402	668	570	354	228
28	50	.00	.00	.00	.00	36	46	538	669	560	369	228
29	49	.00	.00	.00	---	36	43	593	673	543	415	175
30	48	.00	.00	.00	---	34	40	642	660	494	393	135
31	49	---	.00	.00	---	34	---	673	---	477	389	---
TOTAL	3108	1269.00	.00	.00	.00	706.10	788	6872	19923	18955	13059	9487
MEAN	100	42.3	.00	.00	.00	22.8	26.3	222	664	611	421	316
MAX	172	74	.00	.00	.00	52	49	673	673	669	538	365
MIN	48	.00	.00	.00	.00	.00	16	35	653	477	354	135
AC-FT	6160	2520	.00	.00	.00	1400	1560	13630	39520	37600	25900	18820

WTR YR 1986 TOTAL 74167.10 MEAN 203 MAX 673 MIN .00 AC-FT 147100

13058520 WILLOW CREEK FLOODWAY CHANNEL NEAR UCON, ID

LOCATION.--Lat 43°34'35", long 111°54'40", SW¼NE¼ sec. 19, T. 3 N., R. 39 E., Bonneville County, Hydrologic Unit 17040201, on left bank 300 ft below Willow Creek floodway channel diversion structure, 2 mi southeast of Ucon.

PERIOD OF RECORD.--March 1978 to September 1979, October 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 4,840 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Flow controlled by headgates. Floodway channel built to carry excess flow from Willow Creek and Sand Creek during periods of flooding.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,030 ft^3/s Feb. 11, 1979; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	171	.00	.00	.40	170	93	411	.90	.40	98	295
2	57	7.3	.00	.00	1.2	170	149	400	.20	.20	83	307
3	71	6.1	.00	.00	1.8	62	148	400	282	.10	68	305
4	47	5.7	.00	.00	1.8	172	135	442	140	.10	52	347
5	58	4.7	.00	.00	1.8	174	147	643	20	.10	3.5	391
6	53	4.7	.00	.00	1.8	198	114	681	39	.10	3.1	385
7	59	3.9	.00	.00	1.8	292	26	765	84	.10	4.5	385
8	84	4.2	.00	.00	1.8	302	48	661	108	.20	3.2	378
9	8.0	3.6	.00	.00	1.7	312	50	688	114	4.1	71	329
10	2.2	3.8	.00	.00	1.7	507	50	688	112	13	132	317
11	5.2	4.0	.00	.00	1.7	515	47	684	108	22	133	328
12	8.2	2.3	.00	.00	1.7	513	53	585	95	47	120	347
13	3.5	1.9	.00	.00	1.7	513	59	471	86	6.1	99	390
14	5.4	1.9	.00	.00	1.7	497	56	329	103	67	106	387
15	21	1.9	.00	.00	3.2	472	77	357	129	1.7	130	405
16	20	1.9	.00	.00	78	473	219	380	90	8.7	136	419
17	93	1.9	.00	.00	39	481	224	382	99	24	120	410
18	85	1.9	.00	.00	43	485	271	359	145	26	110	409
19	92	24	.00	.00	13	481	404	298	75	69	96	415
20	91	165	.00	.00	2.2	362	434	345	41	17	98	447
21	90	160	.00	.00	1.8	179	420	445	58	25	92	490
22	204	16	.00	.00	1.8	148	415	460	46	.00	71	534
23	189	8.0	.00	.00	1.8	148	589	459	30	21	68	508
24	188	.40	.00	.00	.00	146	713	417	7.2	43	78	506
25	190	.00	.00	.00	16	147	742	127	3.0	79	97	534
26	195	.00	.00	.00	122	147	725	107	1.3	110	109	575
27	195	.00	.00	.00	136	146	717	81	3.0	151	111	459
28	193	.00	.00	.00	169	144	565	129	.80	131	61	609
29	186	.00	.00	.00	---	139	539	111	.10	97	77	606
30	183	.00	.00	.00	---	141	396	47	.30	99	342	544
31	176	---	.00	.00	---	142	---	86	---	113	318	---
TOTAL	2907.5	606.10	.00	.00	649.40	8778	8625	12438	2020.80	1175.90	3090.3	12761
MEAN	93.8	20.2	.00	.00	23.2	283	288	401	67.4	37.9	99.7	425
MAX	204	171	.00	.00	169	515	742	765	282	151	342	609
MIN	2.2	.00	.00	.00	.00	62	26	47	.10	.00	3.1	295

WTR YR 1986 TOTAL 53052.00 MEAN 145 MAX 765 MIN .00

13058530 WILLOW CREEK BELOW FLOODWAY CHANNEL, NEAR UCON, ID

LOCATION.--Lat 43°34'30", long 111°54'30", SE¼ sec. 19 T. 3 N., R. 39 E., Bonneville County, Hydrologic Unit 17040201, at left bank 100 ft below outlet diversion structure, and 2.0 mi southeast of Ucon.

PERIOD OF RECORD.--December 1977 to September 1979, October 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 4,840 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-11. Records fair. Flow controlled by headgates. Water is diverted during the irrigation season from the Snake River through the Eagle Rock Canal to Willow Creek about 6.5 mi upstream from the station; about 173,800 acre-ft diverted into creek during 1986 irrigation season. Diversions below Ririe Lake (13057950) and above station for irrigation of about 1,500 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 188 ft^3/s June 2, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 188 ft^3/s June 2; no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	11	.00	.00	.00	10	22	26	145	141	140	83
2	34	15	.00	.00	.00	10	22	26	188	151	138	84
3	42	24	.00	.00	.00	10	22	26	175	151	137	81
4	24	10	.00	.00	.00	10	22	25	182	160	136	80
5	40	4.6	.00	.00	.00	10	22	26	181	166	136	80
6	32	4.6	.00	.00	.00	11	18	28	181	163	133	80
7	41	4.0	.00	.00	.00	13	.00	29	181	148	132	89
8	24	4.6	.00	.00	.00	13	6.7	28	183	123	129	99
9	6.0	4.0	.00	.00	.00	14	6.5	27	184	126	125	99
10	18	4.0	.00	.00	.00	16	6.7	27	181	119	119	99
11	26	4.0	.00	.00	.00	14	6.4	27	173	133	120	97
12	43	1.0	.00	.00	.00	12	7.1	26	173	143	118	96
13	24	.00	.00	.00	.00	16	8.5	26	174	127	116	97
14	14	2.2	.00	.00	.00	9.9	7.5	27	175	126	116	93
15	.00	2.2	.00	.00	.00	10	9.9	23	177	140	116	90
16	.00	2.2	.00	.00	.00	9.9	25	23	186	145	117	90
17	.00	2.2	.00	.00	.00	9.8	25	25	185	142	117	89
18	.00	2.2	.00	.00	.00	8.7	25	24	185	142	117	89
19	.00	30	.00	.00	.00	8.7	29	24	184	143	104	89
20	.00	36	.00	.00	.00	8.1	.00	24	181	143	98	84
21	.00	20	.00	.00	.00	9.9	.00	26	178	139	100	70
22	.00	.00	.00	.00	.00	10	29	25	176	122	100	63
23	.00	.00	.00	.00	.00	9.8	31	24	172	96	100	63
24	.00	.00	.00	.00	.00	10	33	24	164	113	102	63
25	.00	.00	.00	.00	.00	10	34	23	160	139	100	63
26	.00	.00	.00	.00	7.0	11	32	35	156	138	103	63
27	.00	.00	.00	.00	7.9	11	32	45	159	133	104	63
28	.00	.00	.00	.00	9.9	14	31	123	157	139	99	63
29	5.2	.00	.00	.00	---	21	30	167	152	140	80	64
30	14	.00	.00	.00	---	22	28	161	149	140	82	63
31	14	---	.00	.00	---	22	---	158	---	140	83	---
TOTAL	426.20	187.80	.00	.00	24.80	374.8	571.30	1328	5197	4277	3517	2426
MEAN	13.7	6.26	.00	.00	.89	12.1	19.0	42.8	173	138	113	80.9
MAX	43	36	.00	.00	9.9	22	34	167	188	166	140	99
MIN	.00	.00	.00	.00	.00	8.1	.00	23	145	96	80	63

WTR YR 1986 TOTAL 18329.90 MEAN 50.2 MAX 188 MIN .00

13060000 SNAKE RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°24'47", long 112°08'02", in SE¼SW¼ sec.17, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040201, on right bank 0.3 mi southeast of Woodville, 2.5 mi north of Shelley, and at mile 787.8.

DRAINAGE AREA.--9,790 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--March 1915 to current year (prior to October 1931, irrigation seasons only).

REVISED RECORDS.--WSP 1317: 1916.

GAGE.--Water-stage recorder. Datum of gage is 4,599.0 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 23 to Dec. 1, Dec. 3-10, Dec. 12 to Mar. 3, Apr. 25-29 and May 7-21. Records good except for periods of estimated record, which are fair. Some regulation by Jackson Lake, Palisades Reservoir, Island Park Reservoir, Henrys Lake (see sta 13039000), and Grassy Lake. Diversions above station for irrigation of about 39,000 acres below and about 637,000 acres above station, of which about 100,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above station into Snake Plain aquifer.

AVERAGE DISCHARGE.--55 years (1932-86), 5,945 ft^3/s, 4,307,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,300 ft^3/s June 6, 1976, gage height, 19.12 ft, result of Teton Dam failure; maximum discharge excluding 1976, 47,200 ft^3/s June 17, 1918, gage height, 16.97 ft; minimum, 288 ft^3/s Nov. 5, 1934, gage height, 2.22 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 6, 1894, reached an estimated discharge of 75,000 ft^3/s at former station at Eagle Rock (now Idaho Falls), 7 mi upstream from present site.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 26,300 ft^3/s May 7; minimum, 2,260 ft^3/s July 23, gage height, 5.38 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 23 to
Dec. 1, Dec. 3-10, Dec. 12 to Jan. 28)

5.0	1830	9.0	13500
6.0	3350	10.0	16900
7.0	6200	11.0	20800
8.0	9950	12.0	25000
		13.0	30000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2770	3270	4200	5300	4800	7550	18300	24000	20200	17900	6190	5080
2	2770	3580	3960	5150	4750	7400	18000	23500	19900	16900	5460	5190
3	2830	3240	4150	4900	4700	7300	18400	22300	20000	14900	4830	5250
4	2760	3240	4450	5000	4650	7440	17900	24600	19700	13300	4490	5440
5	2750	3120	4400	5300	4550	8370	14900	26100	19800	14200	3960	5640
6	2710	3000	4600	5100	4500	8700	14300	26100	20200	15200	3780	5650
7	2720	2900	4500	4800	4400	8810	14300	26300	21300	14800	3810	5530
8	2990	3000	4550	4900	4300	10400	14700	26100	21800	12000	4250	5520
9	3150	3020	4400	5100	4350	11200	15000	25400	22400	11000	4550	5480
10	3230	3070	4250	5300	4400	11800	15600	25100	22300	11000	4820	5350
11	3100	3110	3840	5250	4450	11700	16400	25000	22100	10700	4990	5360
12	3160	3270	3500	5200	4400	11400	17000	24900	21700	10600	4920	5430
13	3170	3660	3150	5800	4550	11300	17600	24600	21400	10200	4910	5460
14	3200	3380	3250	6000	4850	11300	17800	24000	21500	10300	4230	5370
15	3210	3410	3650	6200	5150	11300	18200	23200	22100	9530	4530	5320
16	3070	3410	3800	6500	5100	11600	19100	22800	22500	8680	4610	5440
17	3060	3540	3750	6200	5050	12200	19700	22000	22800	8330	4830	5490
18	2990	3600	3700	6150	5200	12600	20800	21400	23500	8160	4880	5500
19	2970	3650	3800	5800	5600	14400	21000	20900	23600	8160	4610	5690
20	2920	3740	3700	6000	5500	15700	21000	20400	23400	7780	4260	6270
21	2950	3760	3600	5650	5400	16700	21200	21800	23100	7150	3980	7400
22	3060	3600	4000	5600	5250	17300	21700	22200	22900	5440	4060	8040
23	3100	3550	4400	5550	5200	17500	22500	23000	22700	4680	4390	7980
24	3140	3850	4350	5000	5250	17700	23700	23500	22000	4430	4820	7470
25	3340	4000	4300	4800	5500	18300	25000	22700	20800	4810	5000	7520
26	3530	4100	4150	4600	5600	18400	25200	21800	20000	5810	4990	7750
27	3540	4200	4250	4650	6200	18400	25100	20500	19800	7370	5060	7970
28	3450	4300	4400	4700	7200	18300	25000	20200	19100	7960	4590	8170
29	3520	4200	4500	4750	---	18400	24800	20100	18500	7520	4180	8360
30	3260	4300	4600	4800	---	18000	24500	20100	18300	6920	4540	8640
31	3300	---	4900	4850	---	17800	---	20300	---	6620	4840	---
TOTAL	95720	106070	127050	164900	140850	409270	588700	714900	639400	302350	143360	188760
MEAN	3088	3536	4098	5319	5030	13200	19620	23060	21310	9753	4625	6292
MAX	3540	4300	4900	6500	7200	18400	25200	26300	23600	17900	6190	8640
MIN	2710	2900	3150	4600	4300	7300	14300	20100	18300	4430	3780	5080
AC-FT	189900	210400	252000	327100	279400	811800	1168000	1418000	1268000	599700	284400	374400

CAL YR 1985	TOTAL	2379400	MEAN	6519	MAX	21600	MIN	2710	AC-FT 4720000
WTR YR 1986	TOTAL	3621330	MEAN	9921	MAX	26300	MIN	2710	AC-FT 7183000

13061300 GREAT WESTERN CANAL WASTE NEAR WOODVILLE, ID

LOCATION.--Lat 43°22'58", long 112°10'16", in SE¼SW¼SE¼ sec.25, T.1 N., R.36 E., Bingham County, Hydrologic Unit 17040206, on left bank 2.0 mi northwest of Shelley.

PERIOD OF RECORD.--October 1985 to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated discharges: Nov. 12-21, Feb. 13-20, 27, Apr. 22. Records fair except for estimated daily discharges, which are poor. Flow is mostly irrigation waste from the Great Western Canal system.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 260 ft³/s Feb. 19, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	19	.00	.00	.00	.00	.00	6.1	57	60	73	171
2	161	21	.00	.00	.00	.00	.00	3.7	59	45	76	168
3	150	24	.00	.00	.00	.00	.00	1.3	66	46	90	149
4	123	23	.00	.00	.00	.00	.00	7.0	87	50	89	122
5	135	21	.00	.00	.00	.00	.00	19	100	97	74	115
6	110	26	.00	.00	.00	.00	.00	33	120	98	65	99
7	115	26	.00	.00	.00	.00	.00	41	137	82	62	95
8	122	27	.00	.00	.00	.00	.00	44	149	36	89	107
9	82	27	.00	.00	.00	.00	.00	32	225	41	114	112
10	35	25	.00	.00	.00	.00	.00	26	201	48	141	93
11	26	24	.00	.00	.00	.00	.00	19	155	50	146	108
12	20	23	.00	.00	.00	.00	.00	14	116	55	133	130
13	17	22	.00	.00	5.0	.00	.00	11	85	70	125	133
14	16	20	.00	.00	20	.00	.00	28	94	60	98	140
15	15	18	.00	.00	80	.00	.00	29	124	55	119	154
16	8.7	16	.00	.00	120	.00	.00	26	114	53	145	158
17	7.5	15	.00	.00	150	.00	.00	19	81	66	149	172
18	8.9	15	.00	.00	200	.00	.00	7.0	65	60	147	173
19	12	13	.00	.00	260	.00	.00	14	60	62	124	157
20	12	10	.00	.00	90	.00	.00	18	56	72	107	144
21	12	.00	.00	.00	9.9	.00	.00	13	54	76	89	114
22	13	.00	.00	.00	9.3	.00	1.0	40	62	63	84	130
23	15	.00	.00	.00	14	.00	3.2	59	78	67	92	98
24	15	.00	.00	.00	22	.00	9.8	57	61	74	111	86
25	15	.00	.00	.00	7.0	.00	21	45	53	91	118	88
26	15	.00	.00	.00	3.4	.00	26	31	58	130	123	91
27	20	.00	.00	.00	1.0	.00	19	22	53	144	110	140
28	25	.00	.00	.00	.00	.00	12	9.4	48	154	103	100
29	25	.00	.00	.00	---	.00	7.5	18	80	146	102	97
30	19	.00	.00	.00	---	.00	8.3	65	76	102	123	108
31	18	---	.00	.00	---	.00	---	67	---	73	149	---
TOTAL	1557.1	415.00	.00	.00	991.60	.00	107.80	824.5	2774	2326	3370	3752
MEAN	50.2	13.8	.00	.00	35.4	.00	3.59	26.6	92.5	75.0	109	125
MAX	189	27	.00	.00	260	.00	26	67	225	154	149	173
MIN	7.5	.00	.00	.00	.00	.00	.00	1.3	48	36	62	86
AC-FT	3090	823	.00	.00	1970	.00	214	1640	5500	4610	6680	7440

WTR YR 1986 TOTAL 16118.00 MEAN 44.2 MAX 260 MIN .00 AC-FT 31970

13062500 SNAKE RIVER AT BLACKFOOT, ID

LOCATION.--Lat 43°11'50", long 112°22'05", in SE¼SW¼ sec. 33, T. 2 S., R. 35 E., Bingham County, Hydrologic Unit 17040206, on left bank immediately upstream from old Riverside Highway bridge, 0.25 mi downstream from new U.S. Highway 26 bridges, 1.2 mi west of Blackfoot, and at mile 764.3.

DRAINAGE AREA.--9,950 mi^2.

PERIOD OF RECORD.--August 1978 to current year. Records for May 1924 to September 1932 at site downstream, published as "Snake River below Blackfoot Bridge, near Blackfoot," are not equivalent because diversions were not included.

GAGE.--Water-stage recorder. Elevation of gage is 4,490 ft above National Geodetic Vertical Datum of 1929, from topographic map. May 1924 to Sept. 1932, water-stage recorder at site downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 13, Nov. 19 to Feb. 17. Records good except for periods of estimated record, which are fair. Flow regulated by Jackson Lake, Palisades Reservoir, Henrys Lake (see sta 13029000), Island Park Reservoir, and Grassy Lake, having a combined capacity of 2,570,000 acre-ft. Diversions above station for irrigation of about 750,000 acres. Considerable water leaks above the station into the Snake Plain aquifer.

AVERAGE DISCHARGE.--8 years (1979-86), 6,616 ft^3/s, 4,793,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,600 ft^3/s May 18, 1984, gage height, 10.18 ft; maximum gage height, 14.71 ft Feb. 7, 1985, due to backwater from ice; minimum observed, 92 ft^3/s Oct. 2, 1981, but may have been lower during period of no gage-height record Oct. 3-21, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,900 ft^3/s May 8, gage height, 9.66 ft; minimum discharge, 1,450 ft^3/s July 24, gage height, 3.95 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 12 to Sept. 8; stage-discharge
relation affected by ice Nov. 13, Nov. 19 to Feb. 17)

4.0	1540	7.0	11600
5.0	3870	8.0	16400
6.0	7300	9.0	21900
		10.0	27900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1650	3180	3700	3900	4310	7580	19000	23000	18800	16400	4470	2890
2	1730	3510	3750	4250	4380	7570	18900	22200	18500	15600	3930	3150
3	1750	3380	3820	4000	4430	7860	18700	20400	18700	13400	3180	3210
4	1750	3190	3780	3910	4250	7360	18700	21600	18500	11300	2790	3490
5	1710	3090	3700	4110	3850	7740	15200	23900	18800	11700	2180	3720
6	1670	2980	3760	4250	3410	8190	14200	24900	19400	13100	1780	3850
7	1670	2950	3800	4020	3110	8320	14000	25600	20500	13400	1700	3750
8	1860	2890	3740	3800	2930	9270	14500	25600	21400	10500	2030	3770
9	2140	2870	3510	3900	3050	10600	15000	24900	22300	8730	2300	3770
10	2330	2980	3150	4010	3210	11500	15600	24200	22500	8630	2830	3740
11	2160	3060	2900	4110	3340	11600	16200	24200	22200	8490	2800	3770
12	2240	3120	2670	4120	3490	11200	17100	23900	21700	8340	2730	3940
13	2300	3480	2570	4170	3620	10900	17700	23500	21300	8170	2870	4080
14	2330	3430	2590	4450	3830	10700	18000	23000	21100	7790	2010	4000
15	2340	3430	2680	4900	4120	10600	18300	22100	21900	7340	2220	3910
16	2260	3380	2800	5020	4750	10800	19100	21500	22500	6400	2300	3960
17	2140	3540	2910	5130	5010	12000	19100	21000	22700	6090	2590	4050
18	2400	3570	3010	5020	5140	12100	20700	20400	23700	5920	2750	4090
19	2600	3550	2990	5000	5400	13500	21000	19800	23900	5950	2570	4300
20	2610	3450	3040	4980	5520	15300	21000	19100	23700	5660	2330	4770
21	2560	2970	3000	4700	5410	16500	21000	20500	23700	5250	1930	5750
22	2630	2850	2840	4480	5200	17400	20900	21800	23500	3860	1890	6570
23	2760	2760	3090	4400	5140	17600	21500	22700	23200	2950	2160	6770
24	2820	2700	3410	4200	5080	18100	23000	23700	22200	2320	2600	6410
25	2960	2950	3500	4000	5020	18600	24200	23200	20800	2730	2810	6420
26	3220	3400	3440	3920	5240	18800	25100	22000	19400	3740	2790	6610
27	3290	3720	3350	3800	5830	19000	24800	20000	19200	5090	2830	6910
28	3220	3790	3410	3830	7100	18900	24200	19200	18300	5970	2590	7030
29	3280	3800	3500	4000	---	19000	23400	18900	17200	5690	2210	7270
30	3230	3650	3600	4190	---	18500	23400	18800	17000	5150	2300	7510
31	3110	---	3710	4220	---	18400	---	18900	---	4900	2660	---
TOTAL	74720	97720	101720	132890	125170	405490	583500	684500	628600	240560	78930	143460
MEAN	2410	3257	3281	4287	4470	13080	19450	22080	20950	7760	2546	4782
MAX	3290	3800	3820	5130	7100	19000	25100	25600	23900	16400	4470	7510
MIN	1650	2700	2570	3800	2930	7360	14000	18800	17000	2320	1700	2890
AC-FT	148200	193800	201800	263600	248300	804300	1157000	1358000	1247000	477200	156600	284600

CAL YR 1985	TOTAL	1970957	MEAN	5400	MAX	22100	MIN	872	AC-FT	3909000
WTR YR 1986	TOTAL	3297260	MEAN	9034	MAX	25600	MIN	1650	AC-FT	6540000

13065000 BLACKFOOT RESERVOIR NEAR HENRY, ID

LOCATION.--Lat 43°00'20", long 111°43'00", in sec.12, T.5 S., R.40 E., Caribou County, Hydrologic Unit 17040207, Bureau of Land Management lands, near spillway at right end of Blackfoot Dam on Blackfoot River, 12 mi northwest of Henry, and at mile 69.0.

DRAINAGE AREA.--581 mi^2.

PERIOD OF RECORD.--January 1912 to September 1925, January 1929 to current year (no winter records 1949-59). Monthend contents only for January 1929 to September 1960, published in WSP 1317, 1737. Prior to October 1950 and October 1960 to September 1961, published as "Blackfoot-Marsh Reservoir near Henry."

GAGE.--Nonrecording gage. Datum of gage is 6,100 ft above National Geodetic Vertical Datum of 1929 (levels by Indian Field Service).

REMARKS.--Water diverted from reservoir for irrigation of about 50,000 acres near Pocatello and on Fort Hall Indian Reservation. Capacity is 313,000 acre-ft between elevations 6,086 ft, bottom of outlet tunnel, and 6,118.5 ft, crest of spillway, with provision for additional storage by water from Grays Lake beginning May 1924. Storage began in spring of 1910. Most monthend contents are interpolated values.

COOPERATION.--Capacity table, gage readings, and daily contents provided by Bureau of Indian Affairs.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 353,200 acre-ft June 12, 1984 (elevation, 6,120.75 ft); minimum observed, 610 acre-ft Sept. 12-15, 19, 21, 22, 1934; minimum elevation observed, 6,088.50 ft Sept. 22, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 347,100 acre-ft May 27, elevation, 6,120.41 ft; minimum observed, 236,500 acre-ft Oct. 3, elevation, 6,113.94 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

6,112	205,400	6,118	304,700
6,114	237,500	6,120	339,800
6,116	270,600	6,121	357,700

CONTENTS (ACRE-FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236800	---	---	---	---	---	---	---	---	320400	---	---
2	---	---	---	---	---	---	---	331100	---	---	---	258300
3	236500	---	---	---	---	---	267300	---	346000	317400	---	257800
4	---	---	---	---	---	270300	---	---	---	---	---	---
5	---	245000	---	---	---	---	---	---	---	---	277400	---
6	---	---	---	265800	---	269000	---	338900	345700	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	275000	---	---	308900	---	---
9	---	---	258600	---	---	---	276700	343500	---	---	274700	254000
10	237000	---	---	---	---	---	---	---	344600	---	---	---
11	---	---	---	266600	---	---	---	345000	344300	---	---	---
12	---	248000	---	---	---	---	---	---	---	---	271800	---
13	---	---	---	---	---	---	285000	346200	343200	---	---	---
14	237100	---	---	---	---	---	---	---	---	---	---	---
15	238300	---	---	267800	---	266300	289500	---	---	300400	---	---
16	---	---	262100	---	275200	---	294400	346400	---	---	---	250300
17	---	---	---	---	---	---	---	---	339200	---	---	---
18	---	250000	---	---	275900	---	---	---	---	293600	---	---
19	---	250000	---	---	---	---	---	---	---	---	265500	---
20	---	---	---	---	---	265000	302300	346400	335200	---	---	---
21	---	---	---	---	274900	---	---	345700	---	---	---	---
22	239900	---	---	---	---	---	307900	---	---	287700	---	---
23	---	---	---	267600	---	---	---	346800	---	---	---	251100
24	---	---	---	---	---	---	---	---	328800	---	---	---
25	---	---	---	---	---	---	320700	---	---	---	---	---
26	---	---	---	---	---	---	325500	---	326400	---	261800	---
27	241700	---	---	---	272800	263000	---	347100	---	282700	---	---
28	---	---	---	---	272300	---	---	---	---	---	---	---
29	242700	---	---	---	---	---	330200	---	---	280800	---	---
30	---	254700	---	---	---	---	330500	---	321600	---	---	254000
31	243400	---	264700	270500	---	265500	---	346500	---	279800	259300	---
(†)	---	---	---	---	---	---	---	---	---	---	---	611500
(‡)	6400	11300	10000	5800	12500	-6800	65000	16000	-24900	-41800	-20500	-5300

CAL YR 1985 .... (‡) -18500
WTR YR 1986 .... (‡) 17000

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13065940 WOLVERINE CREEK NEAR GOSHEN, ID

LOCATION.--Lat 43°15'02", long 112°00'57", in NW¼NW¼ sec.16, T.2 S., R.38 E., Bingham County, Hydrologic Unit 17040207, on left bank 50 ft upstream from county road crossing, 1 mi upstream from Blackfoot River, and 10 mi southeast of Shelley.

PERIOD OF RECORD.--Miscellaneous measurements only during 1973, 1975-78; October 1979 to July 1983, January 1984 to June 1986 (discontinued).

GAGE.--Nonrecording gage, staff and crest-stage gage. Elevation of gage is 4,800 ft, above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-5, Nov. 21-23, and June 29, 30. Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 222 ft^3/s Apr. 16, 1985, gage height, 5.94 ft; minimum observed, 0.89 ft^3/s July 31, 1980, gage height, 0.24 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51 ft^3/s Apr. 26, gage height, 1.78 ft; minimum observed discharge, 6.2 ft^3/s Jan. 5, 7, gage height, 1.02 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	9.7	8.9	7.0	10	12	21	34	50			
2	5.5	9.7	9.4	6.7	11	12	21	36	49			
3	6.0	7.5	9.4	7.2	11	12	22	36	49			
4	6.0	7.5	9.4	7.5	12	13	24	36	49			
5	6.5	8.0	9.4	6.2	12	14	24	36	49			
6	7.0	7.5	9.4	6.7	12	14	24	36	47			
7	7.2	7.5	9.4	6.2	12	13	26	37	47			
8	7.0	7.5	10	6.7	13	14	25	37	47			
9	7.5	7.5	10	7.2	13	15	26	38	47			
10	7.5	8.6	9.4	7.8	13	15	27	38	46			
11	8.0	8.6	10	8.3	14	16	27	40	46			
12	8.6	8.6	10	9.4	15	15	27	40	46			
13	8.6	8.6	10	10	15	15	28	41	46			
14	9.2	8.6	10	9.4	14	16	27	42	46			
15	9.2	8.6	10	8.9	13	17	27	42	42			
16	9.2	8.6	10	8.3	13	16	28	42	40			
17	9.2	8.6	9.4	7.8	13	15	28	43	40			
18	9.2	8.6	9.4	7.8	12	15	30	45	35			
19	9.2	7.5	9.4	8.3	12	16	30	45	33			
20	8.6	8.0	9.4	7.8	11	16	29	49	32			
21	8.9	8.0	10	8.3	11	15	30	49	26			
22	8.9	8.6	10	8.9	11	15	30	46	24			
23	9.4	8.6	10	8.9	11	15	32	47	24			
24	9.4	8.9	10	8.3	11	15	32	48	21			
25	9.4	8.9	10	9.4	11	15	32	49	21			
26	9.4	8.0	10	9.4	12	13	32	49	21			
27	9.4	8.0	10	9.4	12	17	32	49	20			
28	9.4	8.0	10	10	12	17	33	49	20			
29	9.4	8.0	7.2	11	---	18	34	50	19			
30	9.4	8.0	7.0	10	---	19	34	50	18			
31	9.4	---	6.5	11	---	20	---	50	---			
TOTAL	257.1	248.3	293.0	259.8	342	470	842	1329	1100			
MEAN	8.29	8.28	9.45	8.38	12.2	15.2	28.1	42.9	36.7			
MAX	9.4	9.7	10	11	15	20	34	50	50			
MIN	5.5	7.5	6.5	6.2	10	12	21	34	18			
AC-FT	510	493	581	515	678	932	1670	2640	2180			

CAL YR 1985 TOTAL 4374.6 MEAN 12.0 MAX 28 MIN 4.6 AC-FT 8680

13068000 BLACKFOOT RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°15'46", long 112°02'48", in NW¼NW¼NE¼ sec.7, T.2 S., R.36 E., Bingham County, Hydrologic Unit 17040207, on right bank 1.2 mi downstream from Wolverine Creek, 6.5 mi southeast of Shelley, and at mile 30.5.

DRAINAGE AREA.--800 mi².

PERIOD OF RECORD.--July 1909 to November 1925, May 1926 to September 1950 (irrigation seasons only), August 1975 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,650 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 18, 1975, at nearby site at different datum.

REMARKS.--Estimated daily discharges: Nov. 9, Nov. 11 to Feb. 15, and Apr. 17 to May 15. Records fair except for estimated daily discharges, which are poor. Flow regulated by Blackfoot Reservoir (sta 13063000) 38.5 mi upstream. Water diverted from reservoir and several other diversions upstream for irrigation.

AVERAGE DISCHARGE.--26 years (1910-25, 1976-86), 398 ft³/s, 288,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft³/s May 15, 1984, gage height, 8.50 ft; maximum gage height, 10.07 ft Nov. 29, 1975 (backwater from ice); minimum observed discharge, 15 ft³/s Jan. 23, 1919, gage height, 2.83 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,890 ft³/s May 23; minimum daily, 94 ft³/s Dec. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	173	102	112	290	877	1570	1830	1810	1250	808	640
2	240	174	100	107	300	883	973	1800	1800	1240	800	640
3	250	172	110	105	285	881	884	1800	1780	1250	800	632
4	248	174	95	100	285	868	911	1800	1780	1240	808	625
5	250	174	100	105	290	858	888	1820	1780	1230	808	625
6	248	174	97	110	285	860	918	1810	1750	1250	808	618
7	262	174	100	240	290	854	970	1810	1720	1250	808	618
8	255	182	100	235	285	923	971	1820	1730	1210	808	625
9	254	174	98	240	270	857	908	1830	1720	1180	808	640
10	248	165	98	250	285	943	921	1860	1680	1160	808	654
11	190	175	94	245	290	836	934	1880	1680	1140	800	647
12	189	155	97	240	285	903	951	1830	1670	1140	782	640
13	185	140	100	245	310	878	925	1800	1660	1150	800	632
14	183	145	105	255	325	864	924	1800	1640	1150	808	632
15	184	135	100	285	345	850	884	1830	1630	1180	800	625
16	181	130	95	275	372	858	914	1877	1610	1180	782	618
17	171	135	100	285	356	850	920	1830	1580	1140	785	472
18	171	125	105	280	306	815	930	1820	1560	1150	777	453
19	172	120	102	275	387	830	920	1840	1530	1180	704	456
20	172	125	100	270	358	834	910	1840	1530	1150	611	453
21	173	110	98	280	328	844	920	1810	1510	1140	611	658
22	185	98	98	250	803	885	925	1860	1520	1150	625	446
23	183	102	100	260	856	864	925	1890	1450	1160	618	440
24	183	108	100	250	883	910	930	1860	1250	1180	632	315
25	182	110	98	245	881	911	930	1870	1250	1180	618	286
26	174	105	100	240	878	906	980	1880	1270	1200	618	427
27	175	100	96	240	884	855	1370	1870	1270	1220	611	377
28	175	102	96	245	882	1430	1380	1830	1275	1110	611	348
29	173	108	100	260	---	1500	1380	1810	1280	830	625	344
30	174	104	105	270	---	1570	1850	1800	1280	815	640	383
31	172	---	108	280	---	1670	---	1820	---	808	654	---
TOTAL	6317	4166	3095	7038	12672	29950	30785	56800	45180	35588	22306	16290
MEAN	204	139	99.8	227	453	966	1027	1832	1506	1148	720	543
MAX	262	182	110	285	884	1670	1850	1890	1810	1250	808	658
MIN	171	98	94	100	285	815	884	1800	1250	808	611	286
AC-FT	12530	8260	6140	13960	25130	59420	61060	112700	89610	70590	44240	32320

CAL YR 1985 TOTAL 174742 MEAN 479 MAX 1460 MIN 94 AC-FT 346600
WTR YR 1986 TOTAL 272285 MEAN 746 MAX 1890 MIN 94 AC-FT 540100

13068495 BLACKFOOT RIVER BYPASS NEAR BLACKFOOT, ID

LOCATION.--Lat 43°10'16", long 112°23'13", in SE¼SW¼ sec. 8, T. 3 S., R. 35 E., Bingham County, Hydrologic Unit 17040207, on right bank at flood diversion structure about 400 ft downstream from Interstate 15 bridges, and 2.5 mi southwest of Blackfoot.

PERIOD OF RECORD.--April 1964 to current year. (Prior to 1975, only combined monthly flows of main river and of bypass channel were published.)

GAGE.--Water-stage recorder. Datum of gage is 4,480.0 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Nov. 25 to Jan. 30, Mar. 3-7, and July 5-14. Records fair except for estimated daily discharges, which are poor. Flow regulated by Blackfoot Reservoir (see sta 13065000). Diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,580 ft^3/s May 5, 1974, gage height, 8.88 ft; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,200 ft^3/s May 12, 13; minimum daily, 1.5 ft^3/s Nov. 28 to Dec. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	183	1.5	10	137	528	884	1080	553	154	88	111
2	87	173	1.5	10	128	528	1010	1030	532	116	65	165
3	68	147	1.5	12	128	528	752	1040	612	118	52	148
4	48	137	1.5	15	126	524	654	1030	582	173	54	152
5	46	126	1.5	35	122	522	635	1030	547	180	46	134
6	45	126	1.5	95	117	520	624	1030	562	375	48	113
7	48	126	1.5	115	84	518	610	1050	584	350	61	88
8	46	126	1.7	135	83	521	600	1080	568	230	82	84
9	48	126	1.8	130	53	553	587	1080	622	180	134	33
10	48	97	3.3	120	53	570	620	1090	716	180	148	65
11	37	80	4.5	180	52	584	624	1100	684	175	166	116
12	22	80	7.0	185	48	584	623	1200	635	180	158	135
13	22	75	8.8	200	48	583	633	1200	576	180	124	143
14	22	48	10	185	51	552	487	1130	474	200	106	144
15	54	40	11	180	206	537	545	1120	548	184	105	156
16	203	38	11	180	241	532	611	1070	500	188	120	160
17	260	38	11	185	198	540	654	1030	408	217	116	168
18	206	38	11	185	225	546	650	1020	361	201	136	157
19	188	21	11	180	230	530	618	963	276	201	107	154
20	182	11	11	185	186	528	574	910	514	182	68	178
21	168	11	11	200	198	528	516	842	483	202	34	181
22	168	11	11	205	372	528	550	833	409	111	34	182
23	168	3.4	11	200	418	531	554	880	383	54	40	186
24	188	2.3	10	205	548	532	557	1030	205	77	63	178
25	232	2.0	10	210	553	538	558	1000	137	143	101	148
26	212	1.8	10	210	538	552	678	882	151	208	88	163
27	204	1.6	10	185	528	558	682	868	126	319	57	216
28	204	1.5	10	185	528	624	682	761	142	446	34	228
29	186	1.5	10	135	---	730	682	700	174	345	26	214
30	182	1.5	10	115	---	840	1140	524	182	168	33	208
31	185	---	10	134	---	904	---	504	---	105	57	---
TOTAL	3820	1873.6	226.4	4556	6138	17681	18712	30226	13303	6185	2564	4500
MEAN	127	62.5	7.30	147	219	570	657	975	443	200	82.6	150
MAX	260	183	11	210	553	904	1140	1200	716	446	166	228
MIN	22	1.5	1.5	10	48	518	487	504	126	54	26	33
AC-FT	7780	3720	449	9040	12170	35070	38100	59950	26390	12270	5080	8930

CAL YR 1985 TOTAL 65276.20 MEAN 179 MAX 938 MIN .00 AC-FT 129500
WTR YR 1986 TOTAL 110882.0 MEAN 304 MAX 1200 MIN 1.5 AC-FT 220000

13068500 BLACKFOOT RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'50", long 112°28'35", near E½ corner sec.28, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040207, Fort Hall Indian Reservation, on left bank 11 ft upstream from highway bridge, 8 mi southwest of Blackfoot, and at mile 3.4.

DRAINAGE AREA.--1,295 mi², including that of Sand Creek, flow of which is diverted to Blackfoot River through the Idaho Canal.

PERIOD OF RECORD.--July 1913 to current year (prior to October 1931, summer months only). Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1317: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft, from river-profile survey. Prior to May 8, 1928, nonrecording gage, and May 8, 1928, to June 25, 1937, water-stage recorder at site 0.5 mi upstream at different datum. June 26, 1937, to Aug. 18, 1963, water-stage recorder at site 175 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Nov. 12 and Nov. 21 to Feb. 17. Records good except for estimated daily discharges, which are fair. Flow regulated by Blackfoot Reservoir (see sta 13063000). Diversions above station for irrigation of about 28,000 acres below and about 32,000 acres above station, of which about 900 acres are irrigated by withdrawals from ground water (1966 determination). Part of flow is supplied by waste from Snake River canals. Diversions to bypass channel, which diverts 5.5 mi upstream from station, started in April 1964. For records of combined discharges, see following page.

AVERAGE DISCHARGE.--55 years, river only (1932-63), combined river and bypass channel (1964-86), 221 ft³/s, 160,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--River only, maximum discharge, 1,710 ft³/s Feb. 11, 1962, gage height, 7.60 ft; no flow on many days. Combined flow maximum discharge, 2,130 ft³/s May 5, 1974; no flow on many days.

EXTREMES FOR CURRENT YEAR.--River only, maximum daily discharge, 687 ft³/s May 10; maximum gage height, 5.95 ft Feb. 8 (backwater from ice); minimum, 57.7 ft³/s June 2, gage height, 1.90 ft. Combined flow, maximum daily discharge, 1,070 ft³/s May 12; minimum daily, 106 ft³/s Dec. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	234	125	118	132	367	343	597	334	206	152	161
2	184	231	120	120	138	360	370	591	347	182	146	186
3	184	200	120	116	124	368	475	590	300	161	141	188
4	155	198	132	113	122	366	418	598	366	171	138	192
5	147	194	120	111	125	363	413	591	353	225	133	172
6	147	196	122	115	122	362	407	567	358	283	136	150
7	152	197	115	110	120	361	403	613	382	290	145	143
8	176	201	118	108	110	363	405	656	372	257	180	130
9	188	188	114	112	104	371	410	682	403	214	188	114
10	234	185	105	114	106	380	415	687	441	183	205	148
11	235	190	102	112	110	385	400	685	434	185	218	178
12	256	185	110	108	114	386	408	670	412	193	195	183
13	254	175	115	108	120	384	412	627	370	196	182	184
14	255	155	118	108	130	382	371	624	345	217	167	196
15	280	154	120	114	155	377	324	623	304	193	165	202
16	302	153	118	125	190	374	357	602	380	172	167	204
17	281	161	112	120	243	376	381	580	330	185	157	203
18	285	154	112	115	264	382	398	567	306	204	168	185
19	262	140	115	113	282	378	405	540	297	200	162	185
20	252	154	118	111	286	370	404	513	273	206	155	206
21	247	145	118	110	233	376	381	484	329	206	128	221
22	262	135	112	106	255	374	388	517	310	172	128	237
23	267	129	110	108	328	378	396	561	310	138	123	247
24	266	125	112	112	338	376	400	573	287	148	144	235
25	267	130	114	110	374	378	423	585	222	182	168	211
26	257	135	113	108	370	384	431	540	168	229	160	222
27	253	125	112	108	366	387	453	491	185	275	141	257
28	248	125	110	110	367	403	490	432	168	318	110	286
29	246	128	112	120	---	440	547	407	175	285	111	283
30	252	130	114	125	---	482	582	345	197	208	117	256
31	237	---	118	130	---	506	---	322	---	183	133	---
TOTAL	7190	4863	3570	3518	5702	11957	12845	17458	9580	6471	4730	5875
MEAN	232	163	115	113	204	386	428	563	319	209	153	196
MAX	302	234	132	130	374	506	582	687	441	318	218	286
MIN	147	120	102	106	104	361	324	322	168	138	110	114
AC-FT	14260	9640	7080	6970	11310	23720	25480	34630	19000	12840	9420	11650

CAL YR 1985 TOTAL 76274.5 MEAN 209 MAX 518 MIN 8.5 AC-FT 151300
WTR YR 1986 TOTAL 93878 MEAN 257 MAX 687 MIN 102 AC-FT 186200

BLACKFOOT RIVER BASIN

13068501 COMBINATION BLACKFOOT RIVER AND BYPASS CHANNEL NEAR BLACKFOOT, ID

COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	417	127	128	260	895	1540	1670	887	359	230	272
2	281	403	122	130	257	897	1580	1620	879	289	211	331
3	234	356	122	128	253	894	1230	1620	972	281	193	337
4	204	338	134	128	248	890	1070	1620	958	343	182	344
5	193	320	122	146	247	885	1050	1620	900	415	179	307
6	182	322	124	210	238	882	1030	1630	920	668	185	272
7	200	323	117	225	204	870	1010	1660	947	640	206	232
8	224	327	120	243	173	884	1000	1740	941	487	252	183
9	236	324	116	242	157	924	997	1770	1020	404	322	147
10	282	282	108	234	150	950	1040	1780	1160	343	354	214
11	272	270	107	292	162	959	1030	1780	1120	360	382	283
12	278	285	117	303	182	960	1030	1870	1050	373	353	328
13	276	250	124	308	168	946	1050	1830	887	386	307	338
14	277	203	128	301	181	934	839	1760	819	417	272	340
15	343	194	131	304	361	913	869	1740	910	386	271	358
16	505	191	127	315	431	908	968	1670	970	371	287	364
17	541	189	123	305	433	916	1030	1610	846	402	273	373
18	471	182	123	300	494	928	1050	1580	686	405	304	352
19	480	181	126	303	512	908	1020	1500	573	401	269	349
20	434	165	129	306	451	908	978	1430	787	398	223	384
21	415	158	127	310	392	904	907	1330	732	409	182	412
22	430	148	123	311	627	902	838	1350	718	283	162	429
23	435	123	121	308	747	908	850	1460	603	193	163	442
24	465	127	122	317	886	908	966	1610	472	226	208	414
25	490	132	124	320	927	916	981	1570	359	324	270	359
26	460	137	123	318	908	836	1110	1500	340	437	250	385
27	457	127	122	303	896	945	1140	1360	311	504	188	473
28	452	137	120	275	896	1030	1180	1190	311	764	153	494
29	442	130	122	255	---	1180	1230	1110	349	640	137	477
30	444	132	124	240	---	1320	1730	868	388	376	150	484
31	422	---	126	284	---	1410	---	826	---	270	190	---
TOTAL	11121	6837	3801	8072	11840	29636	32544	47675	22886	12654	7317	10477
MEAN	359	228	123	260	423	956	1085	1538	763	408	236	349
MAX	541	417	134	320	927	1410	1730	1870	1160	764	382	494
MIN	182	123	107	128	157	870	839	826	311	193	137	147
AC-FT	22060	13560	7540	16010	23480	58780	64550	94560	45390	25100	14510	20780

CAL YR 1985 TOTAL 141570 MEAN 388 MAX 1460 MIN 41 AC-FT 280800
WTR YR 1986 TOTAL 204860 MEAN 561 MAX 1870 MIN 107 AC-FT 406300

13069500 SNAKE RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'31", long 112°31'06", in SE¼SE¼ sec. 30, T.3 S., R. 34 E., Bingham County, Hydrologic Unit 17040206, on right bank 0.3 mi downstream from highway bridge, 0.7 mi downstream from Blackfoot River, 10 mi southwest of Blackfoot, and at mile 750.1.

DRAINAGE AREA.--11,310 mi^2, approximately, excluding indeterminate noncontributary area on Snake River Plain.

PERIOD OF RECORD.--June 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "at Clough ranch, near Blackfoot" 1924-45.

GAGE.--Water-stage recorder. Datum of gage is 4,399.83 ft above National Geodetic Vertical Datum of 1929. Prior to July 6, 1913, nonrecording gages; July 6, 1913, to Aug. 19, 1962, water-stage recorder at site 0.1 mi upstream at datum 1.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1-22, Nov. 21-24, Nov. 29 to Dec. 2, Dec. 4-12, 16, 17, 19-22, 28-30, Jan. 3-20, 25-27, Feb. 5-14, Apr. 11-14, June 30 to July 1, and July 20-24. Records good except for estimated daily discharges, which are fair. Flow regulated by Jackson Lake, Palisades Reservoir, Henrys Lake (see sta 13039000), Grassy Lake, Island Park Reservoir, and Blackfoot Reservoir (see sta 13065000), having a combined capacity of 2,883,000 acre-ft. Diversions above station for irrigation of about 121,000 acres below and about 832,000 acres above station, of which about 155,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above the station into the Snake Plain aquifer.

AVERAGE DISCHARGE.--76 years, 4,981 ft^3/s, 3,609,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,500 ft^3/s June 7, 1976, gage height, 15.44 ft result of Teton Dam failure, maximum discharge, excluding 1976, 46,200 ft^3/s June 18, 1918, gage height, 14.80 ft, site and datum then in use; minimum, 111 ft^3/s Nov. 10, 1934, gage height, 0.80 ft, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Late in summer of 1905 there was no flow in Snake River for a distance of 10 mi in vicinity of Blackfoot. Aug. 9, 1905, discharge of Snake River just below mouth of Blackfoot River was 30 ft^3/s, supplied by ground-water inflow a short distance upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,000 ft^3/s May 8, 9, gage height, 11.01 ft; minimum, 1,400 ft Aug. 7, gage height, 2.29 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	3460	3880	4200	4620	7890	18200	21600	17500	14800	4190	2900
2	2000	3720	3850	4550	4840	7900	16700	20900	17300	13800	3780	3190
3	2010	3630	4020	4280	4780	7850	17700	19800	17400	12800	3090	3290
4	2020	3380	3920	4090	4790	7790	15000	19500	17400	10900	2670	3460
5	1860	3300	3850	4360	4350	8030	15700	21800	17500	11100	2150	3650
6	1930	3160	3930	4480	3880	8500	14100	22800	18000	12500	1720	3770
7	1880	3170	3910	4270	3500	8820	14100	23500	18700	13100	1530	3700
8	2160	3080	3850	4050	3100	9350	14400	23900	19500	10600	1810	3660
9	2500	3170	3700	4060	3200	10800	14900	23700	20300	8520	2220	3860
10	2700	3160	3480	4360	3400	11800	15300	23300	20700	8240	2560	3720
11	2820	3250	3010	4300	3550	12000	15900	22900	20300	8240	2840	3830
12	2680	3330	2810	4310	3790	11700	16500	22300	19900	8020	2770	4010
13	2720	3710	2670	4380	3910	11400	17300	22000	19400	7850	2720	4170
14	2770	3640	2680	4950	4200	11200	17200	21500	19200	7550	2380	4160
15	2780	3560	2810	5200	4810	11000	17300	20900	19700	7460	2190	4070
16	2700	3480	3000	5210	5300	11100	18100	20300	20200	6380	2310	4110
17	2600	3670	3080	5400	5320	12300	18000	19700	20300	6030	2520	4190
18	2800	3680	3190	5220	5470	12400	18200	19200	20600	5780	2730	4220
19	2940	3720	3110	5200	6200	13400	18500	18800	20800	5870	2590	4380
20	3010	3750	3200	5220	6170	14900	18500	18100	20700	5550	2380	4810
21	3000	3300	3140	4840	5730	15800	18300	18900	20800	4600	1880	5660
22	3100	3100	3030	4730	5610	16500	18300	20100	20600	3750	1790	6560
23	3180	2960	3630	4640	5680	16800	18700	20900	20400	3100	1970	6660
24	3250	2880	3790	4490	5640	17100	20800	21700	19700	2900	2430	6510
25	3320	3270	3740	4280	5640	17500	22000	21700	18600	2580	2760	6440
26	3560	3840	3620	4130	5780	17700	22800	20600	17300	3500	2770	6620
27	3630	3850	3520	4030	6160	17900	22800	19000	17200	4810	2780	7080
28	3630	3940	3600	4190	7380	17900	22500	18000	16600	6050	2610	7220
29	3520	3960	3720	4350	---	18000	22200	17800	15800	5880	2170	7480
30	3550	3820	3820	4390	---	17900	21900	17400	15500	5110	2150	7650
31	3460	---	3950	4590	---	17700	---	17400	---	4660	2550	---
TOTAL	85940	104050	107590	140860	136610	400730	553000	639800	587900	232030	76950	144990
MEAN	2772	3468	3471	4544	4879	12930	18430	20640	19600	7485	2482	4833
MAX	3630	3960	4020	5400	7380	18000	22800	23900	20800	14800	4190	7650
MIN	1860	2880	2670	4030	3100	7790	14100	17400	15500	2580	1530	2900
AC-FT	170500	206400	213400	279400	271000	794800	1097000	1269000	1166000	460200	152600	287600

CAL YR 1985 TOTAL 2034442 MEAN 5574 MAX 21100 MIN 700 AC-FT 4035000
WTR YR 1986 TOTAL 3190450 MEAN 8741 MAX 23900 MIN 1530 AC-FT 6328000

13069532 CRYSTAL WASTE NEAR SPRINGFIELD, ID

LOCATION.--Lat 42°02'52", long 112°40'49", in NE¼SE¼NW¼ sec.26, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, on right bank, 250 ft below two culverts under county road 2.5 mi south of Springfield.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,360 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated discharges: June 2, 3. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 79 ft^3/s Feb. 18, June 12, July 4, Sept. 19, 23, 1986; minimum daily, 19.0 ft^3/s June 27, 29, July 1-5, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 79 ft^3/s Feb. 18, June 12, July 4, Sept. 19, 23; minimum daily, 24.0 ft^3/s July 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	40	27	39	42	50	42	38	34	56	37	54
2	42	40	29	39	44	50	48	39	36	65	45	51
3	39	41	33	39	48	48	45	39	39	72	46	57
4	35	42	32	37	46	48	43	42	42	79	48	58
5	33	42	32	37	45	48	43	42	40	62	49	59
6	32	43	33	40	44	48	43	44	42	49	50	59
7	33	44	36	37	42	48	43	44	49	64	50	66
8	31	47	40	37	41	52	43	42	59	77	52	67
9	28	45	38	37	40	51	44	46	64	77	53	72
10	26	44	39	36	39	48	43	50	74	72	55	69
11	26	47	41	36	37	49	43	54	77	69	56	74
12	25	47	42	36	37	48	42	53	79	48	57	76
13	25	47	43	36	41	47	42	58	72	40	58	77
14	25	43	43	37	40	46	39	60	69	39	53	77
15	26	42	43	38	48	45	39	51	64	34	52	77
16	28	43	42	38	63	46	41	48	57	33	51	77
17	29	45	41	42	72	48	41	46	54	27	52	77
18	29	46	41	41	79	46	40	45	51	26	53	77
19	30	44	41	41	77	45	38	44	50	24	48	79
20	28	42	40	43	70	45	37	44	44	27	49	77
21	29	41	38	41	64	44	37	39	41	34	48	78
22	32	34	38	39	61	45	38	35	40	26	47	77
23	32	37	38	41	60	44	41	32	40	31	47	79
24	32	28	38	39	56	46	40	34	40	27	48	78
25	33	31	38	37	55	46	41	38	42	27	53	74
26	33	27	38	36	54	45	42	36	42	30	46	76
27	34	28	38	36	52	44	42	38	40	31	42	72
28	36	28	37	37	50	44	42	32	40	41	43	70
29	36	29	36	37	---	45	40	34	46	33	48	70
30	36	28	38	38	---	45	39	35	52	37	48	71
31	40	---	37	42	---	44	---	33	---	36	58	---
TOTAL	984	1185	1170	1189	1447	1448	1241	1315	1519	1393	1542	2125
MEAN	31.7	39.5	37.7	38.4	51.7	46.7	41.4	42.4	50.6	44.9	49.7	70.8
MAX	42	47	43	43	79	52	48	60	79	79	58	79
MIN	25	27	27	36	37	44	37	32	34	24	37	51
AC-FT	1950	2350	2320	2360	2870	2870	2460	2610	3010	2760	3060	4210

WTR YR 1986 TOTAL 16558 MEAN 45.4 MAX 79 MIN 24 AC-FT 32840

13069540 DANIELSON CREEK NEAR SPRINGFIELD, ID

LOCATION.--Lat 43°03'32", long 112°41'23", in NW¼NW¼SW¼, sec. 23, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, on right bank of upstream wingwall of county road bridge 1.5 mi south of Springfield.

PERIOD OF RECORD.--Miscellaneous measurements only 1926-28, 1932-77; May to September 1980, April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,365 ft above National Geodetic Vertical Datum of 1929, from topographic map. May to September 1980, located 20 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 12, Jan. 28 to Mar. 5. Records good except for periods of estimated discharge record, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 82 ft^3/s Feb. 18, 1986; minimum, 50 ft^3/s May 7, 1980, gage height, 4.43 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 82 ft^3/s Feb. 18; minimum, 53 ft^3/s Jan. 9-15, gage height, 4.22 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	61	55	55	56	63	61	67	70	61	68	66
2	75	60	58	55	57	62	65	67	71	63	68	66
3	74	60	58	56	56	59	63	70	68	62	71	65
4	75	59	57	55	55	59	61	72	64	62	70	64
5	75	59	57	55	55	60	61	73	66	64	68	63
6	75	59	57	55	55	62	61	74	67	64	66	63
7	74	58	58	54	55	63	61	74	68	65	66	66
8	75	60	58	54	54	64	61	75	74	63	65	68
9	78	58	56	54	55	63	62	76	76	62	65	69
10	76	57	56	54	56	62	61	74	73	62	66	70
11	73	58	55	54	55	62	61	75	71	62	65	70
12	73	59	56	54	55	61	61	74	72	61	63	69
13	72	58	56	54	56	61	63	74	71	64	64	68
14	72	59	56	54	57	61	62	74	68	65	63	67
15	72	57	55	54	58	61	61	73	70	63	63	67
16	72	57	55	55	62	61	61	74	71	64	65	65
17	74	56	56	57	68	62	62	74	68	65	67	65
18	72	57	56	56	82	62	62	73	68	65	68	66
19	69	57	55	56	78	61	61	72	68	63	68	68
20	69	57	55	58	76	61	61	71	67	67	69	70
21	70	58	55	72	74	61	63	71	69	66	69	68
22	69	58	55	65	71	61	64	71	72	63	67	67
23	68	58	55	61	69	61	66	70	72	63	66	68
24	67	56	55	58	68	61	66	68	70	64	67	69
25	66	58	55	56	68	60	67	69	69	66	67	70
26	65	58	55	55	66	60	68	69	70	67	66	71
27	64	58	55	55	65	60	68	67	68	69	65	72
28	64	58	55	54	63	60	67	69	67	69	65	72
29	62	58	55	55	---	60	67	69	67	67	65	73
30	61	58	55	56	---	60	66	70	66	67	64	76
31	61	---	55	57	---	61	---	69	---	67	65	---
TOTAL	2187	1744	1730	1743	1745	1895	1894	2218	2081	1995	2054	2041
MEAN	70.5	58.1	55.8	56.2	62.3	61.1	63.1	71.5	69.4	64.4	66.3	68.0
MAX	78	61	58	72	82	64	68	76	76	69	71	76
MIN	61	56	55	54	54	59	61	67	64	61	63	63

WTR YR 1986 TOTAL 23327 MEAN 63.9 MAX 82 MIN 54

13069565 ABERDEEN WASTE NEAR ABERDEEN, ID

LOCATION.--Lat 42°55'27", long 112°48'38" in NE¼SE¼SE¼ sec.3, T.6 S., R.31 E., Bingham County, about 1.5 mi southeast of Aberdeen.

PERIOD OF RECORD.--Miscellaneous measurements only, 1970-74, 1980-81; April 1985 to August 1986 (gage destroyed, no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 1-6, Aug. 27. Records good except for periods of estimated discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80 ft^3/s June 9, 1986, gage height, 5.84 ft; minimum daily, 2.2 ft^3/s Nov. 28, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 80 ft^3/s June 9, gage height, 5.84 ft; minimum daily discharge, 2.2 ft^3/s Nov. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	3.0				3.9	3.0	36	50	43	56	
2	64	2.9				3.9	4.1	37	53	46	60	
3	63	2.9				4.0	2.9	36	40	49	63	
4	65	2.9				4.1	2.9	44	38	53	64	
5	66	2.8				4.2	2.8	46	49	53	49	
6	67	2.7				4.3	2.8	43	53	50	49	
7	70	2.8				4.6	3.0	45	56	56	53	
8	74	2.8				5.4	3.0	48	66	41	55	
9	67	2.7				4.3	2.9	48	70	52	56	
10	65	2.6				4.1	2.8	43	62	57	58	
11	64	2.9				4.1	2.8	43	55	60	61	
12	57	2.8				3.9	3.0	44	53	61	53	
13	58	2.9				3.8	3.0	44	53	65	56	
14	55	2.7				3.8	2.8	40	56	62	54	
15	59	2.7				3.7	2.9	46	66	40	52	
16	59	2.8				3.9	3.0	45	64	41	57	
17	60	2.6				4.1	3.0	44	51	50	60	
18	61	2.5				3.5	2.8	47	47	50	60	
19	58	2.3				3.4	20	42	48	55	53	
20	41	2.4				3.3	47	36	51	63	41	
21	26	2.4				3.4	42	40	56	66	43	
22	14	2.6				3.3	40	41	64	52	45	
23	5.2	2.6				3.3	41	50	63	52	45	
24	3.5	2.7				3.2	45	52	50	52	48	
25	3.3	2.5				3.1	45	56	47	50	52	
26	3.2	2.3				3.0	46	51	50	50	50	
27	3.2	2.3				2.9	41	43	43	56	46	
28	3.2	2.2				2.8	38	38	44	55	---	
29	3.1	2.3				2.7	37	34	54	46	---	
30	3.1	2.4				2.7	41	31	57	52	---	
31	3.0	---				2.7	---	44	---	57	---	
TOTAL	1306.8	78.8				113.4	536.5	1337	1609	1635	---	
MEAN	42.2	2.63				3.66	17.9	43.1	53.6	52.7	---	
MAX	74	3.0				5.4	47	56	70	66	---	
MIN	3.0	2.2				2.7	2.8	31	38	40	---	
AC-FT	2590	156				225	1060	2650	3190	3240	---	

13070300 PORTNEUF RESERVOIR NEAR CHESTERFIELD, ID

LOCATION.--Lat 42°52'42", long 111°56'38", in SW¼SW¼SW¼ sec.19, T.6 S., R.39 E., Bannock County, Hydrologic Unit 17040208, at outlet of reservoir on Portneuf River 2.5 mi northwest of Chesterfield.

DRAINAGE AREA.--100 mi^2.

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Nonrecording gage, sloping gage on dam face. Datum of gage is 5,630 ft above National Geodetic Vertical Datum of 1929, levels by Portneuf-Marsh Valley Canal Co.

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam. The dam was completed in 1911 with a capacity of 16,400 acre-ft. In 1951, the dam was enlarged and the capacity was increased to 24,000 acre-ft. Flow from the reservoir is regulated by gates at the outlet control house. Elevation of the crest of the spillway is 5,681 ft. Dam is owned and operated by the Portneuf-Marsh Valley Canal Co. Reservoir is used for flood control and to store water for irrigation in Portneuf River valley.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 46.10 ft May 19, 1984; minimum observed, 18.50 ft Sept. 23, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 43.60 ft June 26; minimum observed, 18.50 ft Sept. 23.

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---		---	---	42.40	---	---	---	43.59	---	---
2	---	35.00		---	---	---	---	---	---	---	39.20	---
3	---	---		---	---	---	---	43.25	---	---	---	---
4	---	---		---	---	42.78	43.40	---	---	---	---	---
5	---	---		---	---	---	---	---	---	42.90	---	28.40
6	---	---		---	---	---	---	---	---	---	---	---
7	---	35.25		---	---	---	---	---	43.40	---	---	---
8	---	---		---	---	42.90	---	---	---	---	---	---
9	---	---		---	---	---	---	---	---	---	36.70	---
10	---	---		---	---	---	---	43.40	---	---	---	---
11	---	---		---	---	43.20	43.40	---	---	---	---	---
12	34.65	---		---	---	---	---	---	---	42.00	36.40	---
13	---	---		---	---	---	---	---	---	---	---	---
14	34.07	---		---	---	---	---	---	43.35	---	---	---
15	---	---		---	---	43.55	---	---	---	---	---	---
16	---	35.40		---	---	---	43.32	---	---	---	34.80	---
17	---	---		---	---	---	---	43.30	---	---	---	---
18	---	---		---	39.60	---	---	---	---	---	---	---
19	34.70	35.87		---	---	---	43.25	---	---	41.40	---	---
20	---	---		---	---	---	---	43.26	---	---	---	---
21	---	---		---	---	---	---	---	43.50	---	---	---
22	---	---		38.73	41.00	42.70	---	---	---	---	---	---
23	---	---		---	---	---	---	---	---	---	33.65	18.50
24	---	---		---	---	---	---	43.40	---	---	---	---
25	---	---		---	---	---	---	---	---	---	---	---
26	34.80	---		---	---	---	43.25	---	43.60	40.20	---	---
27	---	---		---	---	---	---	---	---	---	---	---
28	---	---		---	---	---	---	---	---	---	---	---
29	---	---		---	---	42.80	---	---	42.90	---	---	---
30	---	---		---	---	---	---	---	---	---	30.80	---
31	---	---		---	---	---	---	43.45	---	---	---	---
MEAN	---	---		---	---	---	---	---	---	---	---	---
MAX	---	---		---	---	---	---	---	---	---	---	---
MIN	---	---		---	---	---	---	---	---	---	---	---

13073000 PORTNEUF RIVER AT TOPAZ, ID

LOCATION.--Lat 42°37'30", long 112°05'20", in SE¼ sec. 23, T. 9 S., R. 37 E., Bannock County, Hydrologic Unit 17040208, on right bank 200 ft upstream from Bob Smith Creek, 800 ft downstream from Topaz siding, 1.5 mi upstream from diversion dam of Portneuf-Marsh Valley Canal Co., 4 mi west of Lava Hot Springs, and at mile 55.5.

DRAINAGE AREA.--570 mi^2, approximately (includes that of Bob Smith Creek). Mean elevation, 6,080 ft.

PERIOD OF RECORD.--January 1913 to September 1915, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1347: 1920-22, 1924-25(M). WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,918.00 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1919, nonrecording gage at site 0.3 mi downstream at datum 3.0 ft lower. July 20, 1919, to June 22, 1954, nonrecording gage at site 0.3 mi downstream at datum 2.00 ft lower than present datum.

REMARKS.--Estimated daily discharges: Feb. 1 to Mar. 4, Mar. 6 to Apr. 1, Apr. 11-15, 21-28. Records good except for estimated daily discharges, which are fair. Flow regulated by Portneuf Reservoir, capacity 24,000 acre-ft, and Chesterfield Reservoir on Twenty-Four Mile Creek, capacity 685 acre-ft. Diversions above station for irrigation of about 29,000 acres, of which about 7,400 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--69 years, 204 ft^3/s, 147,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,120 ft^3/s Feb. 1, 1963, gage height, 8.22 ft, result of highway fill failure 2 mi upstream; maximum excluding 1963, 1,740 ft^3/s Dec. 23, 1964, gage height, 6.00 ft; minimum, 64 ft^3/s Sept. 23, 1966, gage height, 2.27 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 675 ft^3/s April 25; minimum, 138 ft^3/s Dec. 26, gage height, 2.20 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	197	194	160	235	435	515	592	605	219	311	353
2	186	197	199	157	245	420	539	597	600	239	303	347
3	189	195	212	157	250	410	530	601	585	249	297	346
4	191	195	200	154	245	410	538	646	575	252	298	344
5	190	199	196	157	230	405	533	646	555	255	307	342
6	191	196	193	164	215	405	530	631	534	258	308	342
7	207	200	194	154	190	420	543	613	510	258	307	342
8	215	212	198	151	170	445	564	604	489	248	306	350
9	212	209	194	154	160	480	576	591	476	232	304	369
10	207	195	185	154	165	515	583	576	444	240	304	376
11	204	205	176	154	165	495	590	581	407	235	308	369
12	203	200	176	154	170	485	605	551	390	228	328	362
13	203	196	182	154	185	480	620	521	354	240	337	359
14	198	194	185	154	230	465	635	543	337	237	337	359
15	198	195	182	157	320	460	630	532	331	251	336	358
16	196	196	179	160	370	445	622	524	320	246	335	356
17	197	201	179	176	450	435	596	507	305	261	337	355
18	195	200	176	176	485	425	571	496	300	247	335	371
19	194	192	173	173	500	415	552	508	287	237	339	371
20	194	194	173	179	515	410	545	534	275	241	345	379
21	197	193	166	176	480	420	560	582	266	241	350	367
22	209	190	164	171	455	425	580	613	259	246	346	364
23	219	180	164	175	460	435	605	561	255	262	354	361
24	221	190	160	173	480	450	640	545	252	289	368	363
25	208	202	160	168	490	455	675	533	245	299	358	376
26	202	188	157	164	520	445	670	541	242	326	352	370
27	199	190	157	166	490	435	645	571	236	321	351	376
28	139	191	157	169	470	450	635	598	231	329	350	378
29	198	194	157	170	---	470	627	612	226	326	352	363
30	198	192	157	174	---	495	609	619	218	319	351	365
31	198	---	157	193	---	520	---	608	---	320	361	---
TOTAL	6204	5878	5504	5098	9340	13860	17663	17797	11109	8151	10275	10833
MEAN	200	196	178	164	334	447	589	574	370	263	331	361
MAX	221	212	212	193	520	520	675	646	605	329	368	379
MIN	186	180	157	151	160	405	515	496	218	219	297	342
AC-FT	12310	11660	10920	10110	18530	27490	35030	35300	22030	16170	20380	21490

CAL YR 1985 TOTAL 95679 MEAN 262 MAX 820 MIN 157 AC-FT 189800
WTR YR 1986 TOTAL 121712 MEAN 333 MAX 675 MIN 151 AC-FT 241400

13075000 MARSH CREEK NEAR MCCAMMON, ID

LOCATION.--Lat 42°37'48", long 112°13'29", in NE¼ sec. 22, T.9 S., R.36 E., Bannock County, Hydrologic Unit 17040208, 70 ft upstream from county road crossing, 2 mi southwest of McCammon, and at mile 16.8.

DRAINAGE AREA.--353 mi^2. Mean elevation, 5,630 ft.

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR ID-1980-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,810 ft, by barometer. Prior to July 14, 1965, nonrecording gage 10 ft upstream at same datum.

REMARKS.--Estimated daily discharge: Feb. 19-21. Records good. Diversions above station for irrigation of about 19,000 acres, of which about 5,500 acres are by withdrawals from ground water and about 5,000 acres are by diversions into Marsh Creek basin from Portneuf River through the Marsh Valley Canal (1966 determination). Part of Birch Creek (tributary to Marsh Creek) diverted into Devil Creek in Bear River basin.

AVERAGE DISCHARGE.--32 years, 92.2 ft^3/s, 66,799 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 1,120 ft^3/s Feb. 12, 1962, gage height, 13.25 ft; minimum, 16 ft^3/s Dec. 6, 1978, gage height, 2.59 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 630 ft^3/s Feb. 20; minimum discharge, 46 ft^3/s Jan. 2, gage height, 2.27 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	105	119	91	215	263	145	227	154	76	92	104
2	89	106	123	90	231	241	170	224	150	70	110	106
3	89	106	150	92	205	223	176	224	130	69	95	108
4	91	106	157	89	188	208	174	225	143	72	92	107
5	94	106	145	90	161	201	175	223	153	83	91	106
6	96	106	127	92	139	197	180	218	149	85	80	94
7	105	109	126	88	123	196	186	223	142	89	79	92
8	112	112	124	86	119	208	192	225	140	95	85	94
9	110	113	122	92	100	223	191	227	142	93	90	103
10	107	111	121	90	99	215	188	226	136	89	89	138
11	105	113	101	89	99	222	192	218	121	88	90	149
12	106	114	92	89	100	227	191	226	116	91	92	133
13	102	115	95	88	108	227	199	220	120	88	86	123
14	101	116	95	86	140	222	206	219	134	87	82	121
15	102	117	95	90	288	213	232	214	123	89	82	119
16	103	117	93	85	454	206	245	206	108	91	83	114
17	102	115	93	93	539	209	235	200	95	96	86	113
18	102	116	93	109	611	194	234	199	123	95	82	119
19	104	112	93	116	620	186	228	190	102	90	65	129
20	102	109	93	126	630	181	214	176	97	90	85	132
21	104	108	92	127	540	176	212	172	94	88	123	134
22	108	107	90	106	462	173	216	186	90	85	100	131
23	114	96	89	99	401	169	224	181	89	89	102	129
24	116	99	91	98	369	165	231	175	87	97	110	131
25	109	112	89	96	345	162	245	170	84	97	111	149
26	105	112	87	93	325	156	257	169	87	103	105	146
27	105	107	86	93	306	156	251	169	86	105	97	148
28	105	109	91	92	284	158	245	168	83	107	100	150
29	105	116	89	94	---	162	242	160	79	98	112	148
30	105	120	90	103	---	164	237	157	78	71	137	156
31	106	---	90	188	---	169	---	156	---	81	114	---
TOTAL	3193	3310	3241	3060	8201	6072	6313	6173	3435	2747	2947	3726
MEAN	103	110	105	98.7	293	196	210	199	115	88.6	95.1	124
MAX	116	120	157	188	630	263	257	227	154	107	137	156
MIN	89	96	86	85	99	156	145	156	78	69	65	92
AC-FT	6330	6570	6430	6070	16270	12040	12520	12240	6810	5450	5850	7390

CAL YR 1985	TOTAL	40691	MEAN	111	MAX	561	MIN	51	AC-FT 80710
WTR YR 1986	TOTAL	52418	MEAN	144	MAX	630	MIN	65	AC-FT 104000

13075100 RAPID CREEK NEAR INKOM, ID

LOCATION.--Lat 42°48'02", long 112°13'46", in NW¼SW¼NE¼ sec.22, T.7 S., R.36 E., Bannock County, Hydrologic Unit 17040208, on right bank at upstream side of bridge crossing Rapid Creek, 40 ft downstream from Jackson Creek, and 1.4 mi east of Inkom.

DRAINAGE AREA.--57.2 mi^2.

PERIOD OF RECORD.--October 1979 to May 1982, January 1984 to June 1985, October 1985 to June 1986 (discontinued). Miscellaneous measurements July, August, September 1986.

REVISED RECORDS.--WDR ID-84-1:1981

GAGE.--Nonrecording gage, staff and crest-stage gage. Elevation of gage is 4,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1 to Feb. 16, June 8-30. Records poor. Some diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 642 ft^3/s May 15, 1984, gage height, 6.80 ft from floodmarks; minimum daily, 2.8 ft^3/s Sept. 17, 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period October to June, 200 ft^3/s Mar. 8; minimum daily, 12.0 ft^3/s Dec. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	14	14	18	83	168	120	129			
2	16	16	14	14	23	83	160	134	123			
3	16	16	15	14	19	83	137	162	120			
4	16	16	14	13	18	96	123	200	104			
5	17	16	14	13	18	96	123	197	86			
6	17	16	14	14	17	123	123	176	91			
7	18	16	14	13	17	168	137	162	77			
8	19	17	14	14	15	200	137	149	73			
9	19	16	14	14	16	168	123	134	75			
10	19	16	13	15	15	137	137	123	70			
11	18	16	12	15	16	110	137	110	60			
12	18	16	13	15	17	110	152	110	50			
13	18	16	14	15	19	96	168	107	52			
14	17	15	14	15	27	83	184	107	55			
15	18	15	13	15	34	83	184	107	45			
16	18	15	13	16	38	83	168	110	37			
17	18	15	13	16	42	69	152	113	30			
18	18	15	13	16	69	69	137	113	35			
19	18	15	13	16	137	56	123	110	30			
20	18	15	13	16	42	56	123	123	27			
21	18	15	13	17	56	69	130	155	26			
22	19	15	13	16	69	69	145	178	25			
23	20	14	13	16	56	69	184	144	24			
24	21	14	13	16	152	83	184	134	23			
25	19	14	13	16	83	96	195	131	22			
26	17	15	14	15	69	96	176	129	23			
27	17	14	14	15	69	110	157	129	22			
28	17	14	13	15	66	123	130	131	21			
29	17	14	13	15	---	137	120	137	20			
30	17	14	13	16	---	137	123	134	19			
31	17	---	14	17	---	152	---	134	---			
TOTAL	551	457	417	467	1241	3193	4440	4203	1594			
MEAN	17.8	15.2	13.5	15.1	44.3	103	148	136	53.1			
MAX	21	17	15	17	152	200	195	200	129			
MIN	16	14	12	13	15	56	120	107	19			
AC-FT	1090	906	827	926	2460	6330	8810	8340	3160			

13075500 PORTNEUF RIVER AT POCATELLO, ID

LOCATION.--Lat 42°32'20", long 112°28'05", in SE¼NW¼ sec. 27, T. 6 S., R. 34 E., Bannock County, Hydrologic Unit 17040208, on left bank 1,400 ft downstream from Carson Street Bridge at Pocatello, 1.2 mi upstream from Pocatello Creek, and at mile 16.8.

DRAINAGE AREA.--1,250 mi^2, approximately. Mean elevation, 5,850 ft.

PERIOD OF RECORD.--May to September 1897, March 1898 to October 1899, August 1911 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,418.41 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers datum). May 18, 1897, to Oct. 14, 1899, nonrecording gage at site 1.6 mi upstream at different datum. Aug. 31, 1911, to May 13, 1927, and Oct. 13, 1927, to June 13, 1928, nonrecording gage 0.3 mi upstream at different datum. May 14 to Oct. 12, 1927, water-stage recorder near present site at different datum. June 14, 1928, to Sept. 28, 1950, water-stage recorder near Carson Street Bridge, 0.3 mi upstream at same datum as former nonrecording gages at this site. Sept. 29, 1950, to May 20, 1968, water-stage recorder at Fremont Street site, 1.0 mi upstream at datum 18.57 ft higher.

REMARKS.--Estimated daily discharges: Dec. 12 to Jan. 19. Records good except for estimated daily discharges, which are fair. Flow regulated by Portneuf Reservoir formed by earth dam completed in 1912 and raised 7 ft in 1950, capacity, 23,695 acre-ft; 16,410 acre-ft prior to 1950, and Chesterfield Reservoir, capacity, 685 acre-ft. Diversions above station for irrigation of about 55,000 acres, of which about 13,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--73 years (1913-16, 1918-86), 287 ft^3/s, 207,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,990 ft^3/s Feb. 14, 1962, gage height, 11.35 ft, site and datum then in use, maximum gage height, 13.85 ft May 17, 1984; minimum daily, 0.23 ft^3/s July 19, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,460 ft^3/s Apr. 26, gage height, 9.41 ft; maximum gage height, 9.69 ft Dec. 28 (backwater from ice); minimum discharge, 104 ft^3/s July 21, gage height, 2.93 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	339	363	345	536	1130	1180	1280	994	177	281	382
2	243	339	375	350	560	1090	1210	1270	963	168	284	369
3	232	339	413	345	587	1060	1190	1280	923	155	285	377
4	236	337	423	340	543	1040	1170	1330	877	153	269	377
5	244	335	409	335	511	1020	1140	1380	871	154	263	370
6	244	335	397	350	471	1010	1130	1400	838	159	262	376
7	267	338	380	340	427	1010	1140	1360	790	159	247	368
8	290	360	381	330	389	1050	1160	1350	745	166	247	372
9	327	362	381	330	371	1130	1180	1310	719	163	250	401
10	338	350	368	350	367	1190	1190	1280	680	154	254	455
11	337	345	337	340	373	1200	1210	1260	620	151	247	502
12	335	354	320	330	375	1160	1230	1240	563	146	251	515
13	332	352	340	330	399	1130	1260	1200	522	142	250	490
14	324	347	365	335	418	1110	1260	1170	486	132	246	485
15	331	347	345	350	526	1080	1270	1160	467	142	241	491
16	334	349	340	370	780	1060	1280	1140	437	144	239	482
17	335	354	340	390	930	1040	1280	1110	387	150	245	481
18	333	358	340	390	1070	1030	1270	1080	379	152	245	498
19	332	356	340	385	1120	1000	1250	1070	370	144	231	522
20	332	348	340	399	1150	977	1220	1070	336	134	235	537
21	345	347	330	408	1170	962	1210	1140	315	114	260	543
22	357	346	330	393	1120	968	1240	1170	304	119	260	526
23	373	352	340	374	1080	971	1290	1180	282	150	275	523
24	406	379	330	368	1110	990	1340	1120	264	246	319	520
25	383	372	325	358	1140	1010	1390	1060	255	304	319	552
26	361	367	325	345	1210	1010	1430	1040	245	312	311	564
27	350	353	320	339	1210	989	1410	1030	231	289	297	569
28	347	351	320	343	1170	998	1380	1040	219	315	292	581
29	343	358	320	350	---	1030	1330	1040	202	324	308	575
30	341	365	330	358	---	1100	1300	1040	186	287	373	583
31	341	---	340	426	---	1150	---	1020	---	269	388	---
TOTAL	9948	10534	10907	11096	21113	32695	37540	36620	15470	5774	8494	14386
MEAN	321	351	352	358	754	1055	1251	1181	516	186	274	480
MAX	406	379	423	426	1210	1200	1430	1400	994	324	388	583
MIN	232	335	320	330	367	962	1130	1020	186	114	231	368
AC-FT	19730	20890	21630	22010	41880	64850	74460	72640	30680	11450	16850	28530

CAL YR 1985 TOTAL 142176 MEAN 390 MAX 1290 MIN 92 AC-FT 282000

WTR YR 1986 TOTAL 214577 MEAN 588 MAX 1430 MIN 114 AC-FT 425600

13075910 PORTNEUF RIVER AT TYHEE, ID

LOCATION.--Lat 42°56'40", long 112°32'40", in NE¼ sec. 36, T.5 S., R.33 E., Bannock-Power County line, 4 mi west of Tyhee.

PERIOD OF RECORD.--April 1927 to October 1928, June 1932 to September 1967 (discharge measurements only); May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,370 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: June 5-30 and July 2 to Aug. 11. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft^3/s May 6, 1986, gage height, 6.76 ft; minimum daily discharge, 175 ft^3/s July 21, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft^3/s May 6, gage height, 6.76 ft; minimum daily discharge, 175 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	634	645	611	784	1410	1440	1600	1170	281	570	612
2	504	634	657	606	811	1350	1490	1570	1150	265	575	603
3	497	632	690	616	827	1300	1460	1570	1100	240	575	608
4	568	629	690	602	803	1300	1450	1630	1040	240	535	609
5	568	627	681	593	774	1270	1430	1700	1030	245	530	603
6	566	625	672	615	733	1260	1400	1730	1000	250	525	608
7	582	631	662	604	696	1270	1410	1640	940	250	500	606
8	615	649	668	573	671	1310	1420	1650	880	255	500	624
9	646	646	664	569	651	1400	1450	1640	860	250	500	646
10	668	639	650	608	644	1480	1460	1610	840	240	515	679
11	656	638	616	597	648	1480	1550	1580	780	235	500	713
12	641	644	552	585	649	1460	1510	1570	740	230	485	741
13	634	642	579	569	670	1410	1570	1530	700	220	487	722
14	629	640	633	573	686	1380	1540	1440	655	210	487	705
15	639	638	617	600	752	1360	1550	1370	635	220	490	710
16	638	638	602	647	983	1340	1560	1350	600	230	490	703
17	636	642	591	670	1110	1320	1570	1320	555	240	492	703
18	635	647	610	681	1330	1310	1560	1280	530	240	486	715
19	636	645	607	674	1380	1270	1540	1250	510	225	452	789
20	636	639	596	674	1430	1220	1510	1250	480	210	448	850
21	637	638	570	677	1460	1220	1480	1320	460	175	470	862
22	655	629	560	666	1410	1190	1500	1380	450	210	505	842
23	664	606	560	653	1360	1180	1560	1380	420	280	503	848
24	694	617	562	646	1370	1210	1610	1320	395	480	536	840
25	673	652	563	636	1430	1230	1660	1260	375	605	545	867
26	653	649	563	622	1490	1250	1710	1240	365	630	533	826
27	647	640	554	619	1470	1230	1710	1230	350	585	517	789
28	643	638	563	627	1440	1250	1680	1230	330	640	519	799
29	637	647	569	633	---	1280	1650	1230	320	655	528	788
30	637	649	580	644	---	1340	1610	1230	290	580	592	850
31	634	---	598	693	---	1420	---	1220	---	540	631	---
TOTAL	19265	19124	18924	19383	28462	40700	46060	44320	19850	10156	16021	21860
MEAN	621	637	610	625	1017	1313	1535	1430	665	328	517	729
MAX	694	652	690	693	1490	1480	1710	1730	1170	655	631	867
MIN	497	606	552	569	644	1180	1400	1220	290	175	448	603

WTR YR 1986 TOTAL 304225 MEAN 833 MAX 1730 MIN 175

13075960 ROSS FORK NEAR FORT HALL, ID

LOCATION.--Lat 42°59'10", long 112°33'50", in SE¼SE¼SE¼ sec. 7, T.5 S., R.34 E., Bannock County, approximately 4 mi west of Fort Hall.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,380 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 13-26 and Mar. 29 to Apr. 16. Records good except for periods of estimated record, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 234 ft^3/s Feb. 18, 1986, gage height, 7.33 ft; minimum, 40 ft^3/s Dec. 11, 12, 1986, gage height, 5.28 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 234 ft^3/s Feb. 18, gage height 7.33 ft; minimum, 40 ft^3/s Dec. 11, 12, gage height, 5.28 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	49	46	42	69	82	104	151	92	86	90	92
2	112	49	46	42	60	80	125	118	99	89	89	96
3	117	49	50	42	58	80	155	93	92	89	91	93
4	113	49	49	41	54	79	140	77	84	87	91	89
5	104	49	46	41	52	78	130	86	82	90	90	87
6	103	48	45	41	50	78	120	110	86	95	92	88
7	102	47	46	42	47	79	115	117	82	101	93	88
8	100	48	47	42	44	85	120	104	83	90	89	88
9	106	48	45	42	44	99	125	216	100	85	90	94
10	119	47	44	42	45	88	120	203	139	84	89	92
11	115	47	42	42	45	83	122	178	132	90	93	86
12	87	48	41	42	47	82	125	178	115	88	96	88
13	67	47	42	42	50	80	130	171	101	93	92	91
14	65	47	42	42	55	79	140	195	85	93	95	92
15	65	47	43	42	86	78	150	218	91	83	96	93
16	61	47	43	43	126	79	130	206	88	84	87	96
17	55	47	43	47	116	82	109	186	84	87	94	96
18	53	47	42	51	160	82	104	174	84	87	94	96
19	53	44	42	49	160	81	106	152	93	84	84	100
20	52	45	42	53	113	78	118	105	101	90	76	105
21	52	45	42	48	90	74	119	85	102	90	78	109
22	54	44	42	47	81	74	127	152	97	93	76	105
23	54	43	42	45	82	75	143	164	92	90	82	109
24	53	44	42	45	93	76	153	145	85	90	90	117
25	52	45	42	45	94	77	157	132	81	94	88	118
26	52	45	42	45	91	79	162	114	85	104	89	117
27	52	45	42	44	89	82	155	92	87	111	85	113
28	51	45	41	44	85	84	148	102	86	114	83	111
29	51	46	41	46	---	89	147	104	92	108	86	112
30	50	46	41	51	---	94	107	98	95	98	83	107
31	50	---	41	75	---	98	---	95	---	92	85	---
TOTAL	2327	1397	1344	1405	2186	2534	3906	4322	2815	2859	2736	2968
MEAN	75.1	46.6	43.4	45.3	78.1	81.7	130	139	93.8	92.2	88.3	98.9
MAX	119	49	50	75	160	99	162	218	139	114	96	118
MIN	50	43	41	41	44	74	104	77	81	83	76	86
AC-FT	4620	2770	2670	2790	4340	5030	7750	8570	5580	5670	5430	5890

WTR YR 1986 TOTAL 30799 MEAN 84.4 MAX 218 MIN 41 AC-FT 61090

13075081 SPRING CREEK AT BRONCO ROAD, NEAR FORT HALL, ID

LOCATION.--Lat 43°05'45", long 112°30'15", in SW¼SW¼SE¼ sec. 5, T.4 S., R.34 E., Bingham County, Hydrologic Unit 17040206, near left bank at county road bridge, and 6.5 mi west of Fort Hall.

PERIOD OF RECORD.--April 1985 to current year (prior to April 1985, miscellaneous measurements only).

GAGE.--Water-stage recorder. Elevation of gage is 4,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water year 1985, no estimated daily discharges, records good; water year 1986, estimated daily discharges Feb. 2 to Mar. 4, records fair.

EXTREMES FOR CURRENT PERIOD.--April to September 1985: Maximum discharge, 363 ft^3/s May 28, gage height, 4.98 ft; minimum daily, 313 ft^3/s July 11.

Water Year 1986: Maximum discharge, 370 ft^3/s, Jan. 17, gage height, 4.39 ft; minimum daily, 319 ft^3/s Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	325	355	331	329	342
2							---	327	356	327	330	343
3							---	330	356	326	330	344
4							---	332	356	325	331	343
5							---	333	355	323	333	345
6							---	336	352	321	333	345
7							---	337	351	321	333	344
8							---	338	351	319	335	342
9							---	338	350	316	335	343
10							---	342	349	315	336	342
11							---	345	346	313	338	344
12							---	346	346	314	340	344
13							---	348	347	315	338	342
14							---	349	345	316	340	343
15							---	350	344	318	342	343
16							---	351	345	317	343	344
17							---	352	344	318	344	344
18							---	353	342	317	346	345
19							313	353	343	318	348	345
20							314	355	344	318	345	346
21							315	356	340	320	345	348
22							315	355	341	321	344	345
23							317	354	340	323	342	346
24							317	354	340	324	341	346
25							316	355	338	323	341	345
26							318	356	339	324	341	346
27							319	355	338	324	341	343
28							320	356	336	326	341	342
29							321	356	334	327	340	342
30							322	355	332	327	341	342
31							---	353	---	329	341	---
TOTAL							---	10743	10355	9956	10507	10318
MEAN							---	347	345	321	339	344
MAX							---	356	356	331	348	348
MIN							---	325	332	313	329	342
AC-FT							---	21310	20540	19750	20840	20470

13075881 SPRING CREEK AT BRONCO ROAD, NEAR FORT HALL, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341	325	333	352	362	359	359	350	325	337	324	327
2	341	325	333	351	361	358	359	349	326	336	323	328
3	340	324	332	351	361	358	361	348	327	337	323	329
4	337	324	330	352	360	358	360	347	326	337	323	329
5	339	325	330	352	359	359	359	347	327	337	323	329
6	339	327	330	353	359	359	358	347	329	335	322	328
7	340	329	330	352	358	361	358	346	327	335	320	331
8	338	331	331	354	358	361	358	345	334	333	320	332
9	336	331	330	355	359	361	358	347	337	332	320	335
10	336	332	328	356	358	361	358	347	338	332	321	337
11	336	335	332	356	357	361	358	346	337	332	320	336
12	332	336	336	356	358	360	360	345	336	330	321	336
13	332	336	335	358	359	359	358	345	336	331	320	336
14	331	337	336	359	359	358	358	345	333	330	319	337
15	331	337	336	361	360	359	360	343	337	328	320	337
16	331	339	336	362	361	359	360	341	336	325	321	337
17	330	341	336	364	362	359	358	340	336	322	322	337
18	330	341	337	363	363	358	355	340	336	322	321	338
19	329	342	337	364	364	358	353	337	335	321	320	339
20	329	343	339	367	362	357	353	335	335	321	323	341
21	331	343	340	368	360	358	355	334	338	321	323	341
22	329	343	340	368	358	358	355	336	336	321	323	341
23	329	342	341	367	359	356	355	335	339	322	324	343
24	328	342	342	365	359	359	355	335	337	323	325	345
25	327	344	343	363	358	357	353	335	337	323	326	345
26	327	341	344	364	358	357	351	334	336	325	325	345
27	327	341	345	364	358	358	351	333	334	326	325	345
28	327	341	345	363	359	358	351	331	334	327	327	346
29	326	340	346	362	---	359	350	328	336	327	327	346
30	326	336	348	362	---	359	348	327	338	325	327	349
31	326	---	349	362	---	358	---	326	---	325	327	---
TOTAL	10301	10073	10450	11146	10069	11122	10685	10544	10020	10176	10005	10125
MEAN	332	336	337	360	360	359	356	340	334	328	323	338
MAX	341	344	349	368	364	361	361	350	339	337	327	349
MIN	326	324	328	351	357	357	348	326	325	321	319	327
AC-FT	20430	19980	20730	22110	19970	22060	21190	20910	19870	20180	19840	20080

WTR YR 1986 TOTAL 124716 MEAN 342 MAX 368 MIN 319 AC-FT 247400

13075983 SPRING CREEK AT SHEEPSKIN ROAD, NEAR FORT HALL, ID

LOCATION.--Lat 43°02'36", long 112°33'15", in NW¼NE¼SW¼ sec. 25, T. 4 S., R. 33 E., Bingham County, Hydrologic Unit 17040206, on left bank 300 yards upstream from county road bridge, and 5.9 mi west of Fort Hall.

PERIOD OF RECORD.--July 1980 to current year (prior to July 1980, miscellaneous measurements only).

GAGE.--Water-stage recorder. Elevation of gage is 4,380 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges, records good.

AVERAGE DISCHARGE.--6 years (1981-86), 394 ft^3/s, 268,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530 ft^3/s Apr. 1, 1985, gage height, 4.88 ft; minimum daily, 278 ft^3/s (result of freezeup) Dec. 30, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 454 ft^3/s Oct. 1, 7, and Feb. 15, gage height, 4.67 ft, but may have been higher during period May 9 to June 2, when mean daily values from the data-collection platform were used; minimum daily, 357 ft^3/s Jan 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	402	387	375	376	409	379	418	376	362	384	390
2	446	402	387	367	384	400	402	415	376	366	386	390
3	442	404	397	377	412	382	379	413	384	383	383	395
4	436	403	390	397	395	379	370	410	381	360	386	389
5	436	397	389	406	392	366	376	416	398	370	382	388
6	438	395	385	407	387	376	390	424	398	372	381	386
7	440	395	384	385	380	377	394	422	380	373	374	389
8	445	399	387	408	377	384	399	429	390	367	374	391
9	443	400	387	427	375	373	398	401	401	363	376	405
10	444	401	383	428	371	376	392	451	390	359	378	404
11	443	408	380	418	372	376	380	451	390	384	372	407
12	428	407	374	386	374	377	387	451	387	368	369	409
13	423	405	377	422	378	378	398	451	387	377	369	407
14	423	401	389	424	379	376	393	447	380	375	371	409
15	424	397	390	432	421	381	392	436	387	374	369	409
16	420	386	391	414	434	383	384	436	390	389	378	403
17	416	402	396	415	424	386	384	426	383	389	379	398
18	416	406	399	404	434	378	386	418	381	392	376	400
19	417	403	402	393	434	367	383	401	369	382	370	406
20	417	403	405	393	421	374	383	373	372	389	379	401
21	417	399	401	390	414	374	386	387	386	390	378	403
22	416	396	405	384	414	370	385	380	395	386	373	409
23	417	392	406	389	407	374	382	390	403	382	380	407
24	416	394	405	376	403	380	381	394	391	385	381	407
25	413	393	408	384	402	373	379	398	388	389	391	404
26	408	387	409	359	406	375	370	401	386	393	377	404
27	408	385	408	357	406	371	387	394	375	402	383	403
28	406	390	404	363	410	379	387	390	375	402	383	399
29	401	393	388	365	---	385	387	384	377	390	390	404
30	404	388	380	373	---	387	387	380	374	383	388	408
31	403	---	385	380	---	374	---	373	---	377	386	---
TOTAL	13155	11943	12179	12188	11192	11740	11580	12760	11552	11733	11746	12028
MEAN	424	398	393	393	400	379	386	412	385	378	379	401
MAX	451	408	409	432	434	409	402	451	403	402	391	409
MIN	401	385	374	357	371	366	370	373	369	359	369	386
AC-FT	26090	23690	24160	24170	22200	23290	22970	25310	22910	23270	23300	23850

CAL YR 1985 TOTAL 147543 MEAN 404 MAX 454 MIN 361 AC-FT 292700
WTR YR 1986 TOTAL 143794 MEAN 394 MAX 451 MIN 357 AC-FT 285200

13076200 BANNOCK CREEK NEAR POCATELLO, ID

LOCATION.--Lat 42°53'10", long 112°38'30" in SW¼NW¼SW¼ sec. 19, T.6 N., R. 33 E., Power County, approximately 10.5 mi west of intersection of Interstate 86 and Interstate 15.

PERIOD OF RECORD.--Published as miscellaneous site in 1980, 1981, 1984. May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1 to Feb. 18, records good except for periods of estimated record, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850 ft^3/s Feb. 19, 20, 1986, gage height, 7.16 ft; minimum, 31 ft^3/s July 22, 1986, gage height, 3.85 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 850 ft^3/s Feb. 19, 20, gage height, 7.16 ft; minimum, 31 ft^3/s July 22, gage height, 3.85 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	60	55	49	98	139	104	86	58	46	47	81
2	47	61	54	49	78	131	114	85	62	44	47	86
3	47	60	56	48	67	124	119	86	57	45	50	84
4	46	60	57	47	64	123	117	93	60	51	48	84
5	48	59	55	47	82	108	113	98	65	49	49	91
6	50	59	54	49	69	105	106	96	74	46	59	96
7	50	59	54	50	62	103	105	129	73	50	66	107
8	51	58	56	52	60	106	107	142	84	42	61	100
9	52	58	55	53	62	126	108	106	93	42	61	110
10	53	56	53	54	60	126	108	98	89	43	68	116
11	54	58	50	53	59	113	110	96	80	57	65	107
12	54	57	48	53	73	109	112	104	78	70	55	108
13	54	57	46	54	96	105	116	101	73	69	57	108
14	55	56	49	56	150	103	121	99	67	66	57	105
15	55	56	50	60	218	97	124	137	71	60	62	111
16	56	55	50	66	165	92	123	134	67	67	72	107
17	57	54	49	74	255	92	117	131	54	70	59	103
18	57	55	49	78	520	95	114	129	47	54	46	110
19	58	53	48	74	710	93	111	119	45	44	86	106
20	59	55	46	77	584	86	106	99	42	35	61	54
21	60	56	49	72	245	83	105	96	48	37	63	52
22	62	56	49	68	182	82	109	115	55	34	58	53
23	63	54	49	67	234	82	120	121	50	36	64	51
24	61	53	48	67	495	83	109	113	44	42	84	50
25	60	55	48	68	347	87	105	112	45	46	76	49
26	62	56	47	67	229	88	109	103	50	58	59	60
27	60	57	47	66	183	88	108	74	50	57	64	122
28	60	57	46	67	161	90	99	63	48	59	58	124
29	59	58	47	78	---	95	89	59	48	56	53	128
30	59	56	48	100	---	99	88	60	50	64	58	129
31	59	---	49	132	---	103	---	58	---	67	69	---
TOTAL	1716	1704	1565	1995	5608	3156	3296	3142	1827	1606	1862	2792
MEAN	55.4	56.8	50.5	64.4	200	102	110	101	60.9	51.8	60.1	93.1
MAX	63	61	57	132	710	139	124	142	93	70	84	129
MIN	46	53	46	47	59	82	88	58	42	34	46	49

WTR YR 1986 TOTAL 30269 MEAN 82.9 MAX 710 MIN 34

13076500 AMERICAN FALLS RESERVOIR AT AMERICAN FALLS, ID

LOCATION.--Lat 42°46'45", long 112°52'45", in SE¼SW¼ sec. 30, T. 7 S., R. 31 E., Power County, Hydrologic Unit 17040206, at outlet gates near right abutment of American Falls Dam on Snake River, at American Falls, and at mile 714.7.

DRAINAGE AREA.--13,560 mi^2, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--March 1926 to September 1979, October 1982 to current year.

GAGE.--Water-stage recorder. Prior to July 11, 1977, water-stage recorder at same datum on old dam. Datum of gage is at sea level (levels by U.S. Bureau of Reclamation).

REMARKS.--No estimated daily contents. Reservoir is formed by concrete gravity spillway and dam with earth embankments at each end. Dam was rebuilt in 1976 and 1977. Partial storage began in 1926, full storage in 1927. Capacity, 1,700,000 acre-ft, between elevations 4,295.66 ft and 4,354.50 ft. Elevation at bottom of outlet gate is 4,285.00 ft, and elevation at top of spillway radial gate is 4,356.50 ft. Dead storage unknown. Water is used for power generation and for irrigation by canals diverting from Snake River at Minidoka and Milner Dams. From 1973-77, owing to the condition of the old dam, storage was limited to the spillway crest level, 4,343.2 ft. Reservoir was emptied in September 1977 to permit completion of the new sections of the dam. Storage began on October 14, 1977, behind the present structure.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,748,000 acre-ft June 21, 1963, elevation, 4,355.34 ft; minimum since full capacity, excluding 1977, 65,800 acre-ft Sept. 30, 1979, elevation 4,305.08 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 1,686,500 acre-ft July 8; minimum daily contents, 367,900 acre-ft Oct. 2.

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369700	550400	776900	939400	1103300	1281900	1423700	1611500	1637800	1673200	1534500	1168600
2	367900	557300	795100	944200	1112200	1292700	1437300	1615500	1641300	1679600	1526200	1160300
3	372100	570900	811800	948500	1120800	1302500	1438300	1615500	1644100	1675500	1514000	1156000
4	372100	578300	811800	948900	1129500	1311200	1443200	1616100	1649900	1661600	1505100	1149200
5	372300	579300	823400	951500	1137700	1316900	1444300	1621200	1649400	1668500	1491300	1148700
6	373100	589900	834100	960200	1145800	1314800	1444300	1624700	1655700	1672000	1480300	1144400
7	373100	600600	840900	960200	1152100	1309100	1444900	1634400	1661600	1679600	1465000	1138100
8	379300	612100	850500	960200	1154500	1305600	1445400	1642400	1666200	1686500	1451900	1136200
9	380100	619100	858200	961900	1156400	1306100	1454600	1648800	1670800	1680100	1439400	1127500
10	386600	631000	863500	962300	1157900	1306100	1455200	1654000	1673200	1670300	1427500	1125100
11	391600	639600	869700	962300	1158800	1308600	1466600	1656300	1676100	1667400	1415100	1124200
12	397000	647800	875000	962300	1165600	1303000	1470900	1658100	1673800	1665000	1400700	1123000
13	403700	658100	877900	970500	1165600	1303000	1478600	1655200	1673200	1662700	1389000	1121800
14	409300	658500	882000	979600	1169600	1302500	1490800	1655200	1673200	1655700	1376200	1120800
15	416300	680900	885700	992500	1174000	1324700	1495700	1657500	1667400	1651700	1361900	1120300
16	421900	688400	890600	996500	1179400	1345100	1496300	1651700	1665000	1643600	1349300	1119800
17	432000	696500	894700	997400	1190300	1371900	1504000	1648200	1662700	1637800	1337300	1117900
18	439500	706700	899400	997400	1200200	1388400	1505100	1641300	1658700	1631500	1323700	1117400
19	445400	717700	903600	989200	1208100	1408200	1515600	1633800	1651700	1623500	1308600	1121800
20	453500	726500	907800	1000500	1217000	1403400	1521200	1618900	1647000	1617800	1299400	1123200
21	463100	737200	912800	1040000	1224100	1400200	1526700	1611500	1641800	1613200	1285500	1125600
22	470100	741000	913700	1046300	1228100	1401800	1537300	1623500	1639000	1603500	1270100	1128500
23	476300	741000	916600	1049500	1235200	1402800	1539600	1630400	1636700	1593800	1258900	1136700
24	485200	741300	918300	1055000	1244800	1402800	1547500	1635000	1632700	1581800	1247800	1146300
25	491800	744700	920000	1060000	1249800	1405000	1553700	1641300	1632100	1562700	1235700	1150200
26	501100	744700	923800	1064100	1258900	1407600	1562700	1643000	1636700	1558200	1226600	1155000
27	511100	754500	925900	1069100	1263400	1410800	1579600	1644100	1645300	1558200	1218600	1154000
28	519100	758300	929200	1073400	1272200	1411900	1586000	1639500	1650500	1552000	1204600	1157900
29	527700	761700	932200	1080900	---	1415600	1594300	1637800	1658100	1546300	1198700	1160300
30	534100	766200	935100	1086900	---	1415600	1605800	1637800	1666200	1544700	1182400	1164600
31	541000	---	936000	1095000	---	1423100	---	1639000	---	1540200	1177500	---
MAX	541000	766200	936000	1095000	1272200	1423100	1605800	1658100	1676100	1686500	1534500	1168600
MIN	367900	550400	776900	939400	1103300	1281900	1423700	1611500	1632100	1540200	1177500	1117400
(†)	4329.25	4335.80	4340.01	4343.56	4347.17	4350.05	4353.34	4353.92	4354.39	4352.18	4345.28	4345.02
(‡)	169400	225200	169800	159000	177200	150900	182700	33200	27200	-126000	-362700	-12900

CAL YR 1985.......(‡) -342800
WTR YR 1986.......(‡) 793000

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13077000 SNAKE RIVER AT NEELEY, ID

LOCATION.--Lat 42°46'06", long 112°52'42", in NE¼SW¼ sec. 31, T. 7 S., R. 31 E., Power County, Hydrologic Unit 17040209, on right bank 400 ft upstream from fish hatchery buildings, 0.9 mi downstream from American Falls Dam, at mile 714.1. Records computed to show flow at former site in sec. 11, T.8 S., R.30 E., 0.5 mi north of Neeley and 2.5 mi downstream from present site, by adding inflow between sites. Water-quality sampling site 300 ft downstream.

DRAINAGE AREA.--13,600 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--March 1906 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1317: 1910.

GAGE.--Water-stage recorder. Datum of gage is 4,241.6 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to Aug. 8, 1910, nonrecording gage, and Aug. 8, 1910, to June 6, 1930, water-stage recorder at site 2.5 mi downstream at different datum. June 7, 1930, to Mar. 19, 1945, water-stage recorder at site 0.4 mi upstream at datum 0.4 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir and other reservoirs, having a combined usable capacity of 4,600,000 acre-ft. Diversions above station for irrigation of about 1,080,000 acres, of which about 228,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks into the Snake Plain aquifer above the station, some of which returns above American Falls Reservoir.

AVERAGE DISCHARGE.--60 years (1927-86), 7,471 ft^3/s, 5,413,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 48,400 ft^3/s June 20, 1918, gage height, 13.5 ft, site and datum then in use; minimum, 50 ft^3/s Oct. 22, 23, Nov. 14-16, 1941, Oct. 29, 1961, Nov. 6, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 26,500 ft^3/s May 18, 19; minimum, 1,550 ft^3/s Nov. 17, gage height, 3.65 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5570	2350	4190	5650	3980	6790	20300	22800	20600	14600	10500	10300
2	5230	2340	4360	5840	4020	6800	20300	23000	20300	15400	10900	10100
3	4960	2320	4510	5660	4010	6810	20300	23200	19700	14900	10900	9770
4	4840	2150	4180	5630	3940	6780	20300	23200	19300	14400	11100	9460
5	4900	1960	3970	5640	3930	8960	20300	23100	19700	13800	11500	9160
6	4800	1960	3730	5670	3980	13100	20300	23600	20000	12500	11200	8660
7	4690	1990	3680	5580	4560	14900	17400	23900	20000	11800	11400	8450
8	4600	1990	3680	5070	5620	14800	14900	24800	20700	11700	11700	8870
9	3730	1850	3660	5150	5570	14700	14900	25800	22300	11800	11700	8830
10	3060	1830	3900	5090	6210	14700	16000	25600	23100	12000	11600	8540
11	3070	1710	4000	5040	6660	15400	16700	25600	23500	12300	11700	8210
12	3120	1640	4010	5050	6670	16900	16700	25500	24200	12100	11800	7900
13	3090	1640	4030	5080	6740	17100	16700	26000	24300	11900	11800	7840
14	3100	1620	4050	5040	6730	13300	18100	26200	24100	11900	11800	7790
15	3020	1630	4070	5060	6760	5010	19100	26100	24900	12000	12000	7750
16	2450	1640	4130	5090	6760	4230	20000	26000	24700	12000	12100	7650
17	2330	1600	4200	5160	6780	4780	20500	26300	24700	11900	12200	7430
18	2360	1610	4130	5110	6660	5790	20500	26500	25300	11600	12100	7080
19	2360	1620	4120	5080	6720	8500	20400	26500	25600	11100	11900	6940
20	2370	1620	4300	5110	6730	22100	20400	25000	25600	10500	11800	6940
21	2410	1620	4670	5090	6730	19800	20200	23900	25500	10600	11900	7000
22	2410	2350	5070	5080	6750	19600	20100	21500	25400	10900	11800	6870
23	2370	2990	5450	5110	6760	20000	20100	21600	24500	11000	11700	6750
24	2340	3010	5640	5120	6750	20300	20000	22400	23100	11000	11400	6750
25	2310	3650	5610	5110	6760	20300	21100	23200	20600	10800	11200	7700
26	2300	4650	5590	5110	6750	20200	21800	23400	18200	10500	10900	9100
27	2290	4650	5600	5110	6750	20300	21800	23500	16000	10300	10700	9570
28	2310	4640	5600	5130	6790	20200	21800	23400	15100	10200	10800	9590
29	2340	4430	5600	4020	---	20300	21600	22500	14300	10100	10700	9530
30	2340	4200	5600	4010	---	20300	22100	21000	13900	10100	10600	9580
31	2350	---	5600	4080	---	20300	---	20700	---	10200	10600	---
TOTAL	99420	73260	140930	158570	167070	443050	584700	745800	649200	365900	354000	250110
MEAN	3207	2442	4546	5115	5967	14290	19490	24060	21640	11800	11420	8337
MAX	5570	4650	5640	5670	6790	22100	22100	26500	25600	15400	12200	10300
MIN	2290	1600	3660	4010	3930	4230	14900	20700	13900	10100	10500	6750
AC-FT	197200	145300	279500	314500	331400	878800	1160000	1479000	1288000	725800	702200	496100

CAL YR 1985 TOTAL 3375090 MEAN 9247 MAX 23000 MIN 1600 AC-FT 6694000
WTR YR 1986 TOTAL 4032010 MEAN 11050 MAX 26500 MIN 1600 AC-FT 7997000

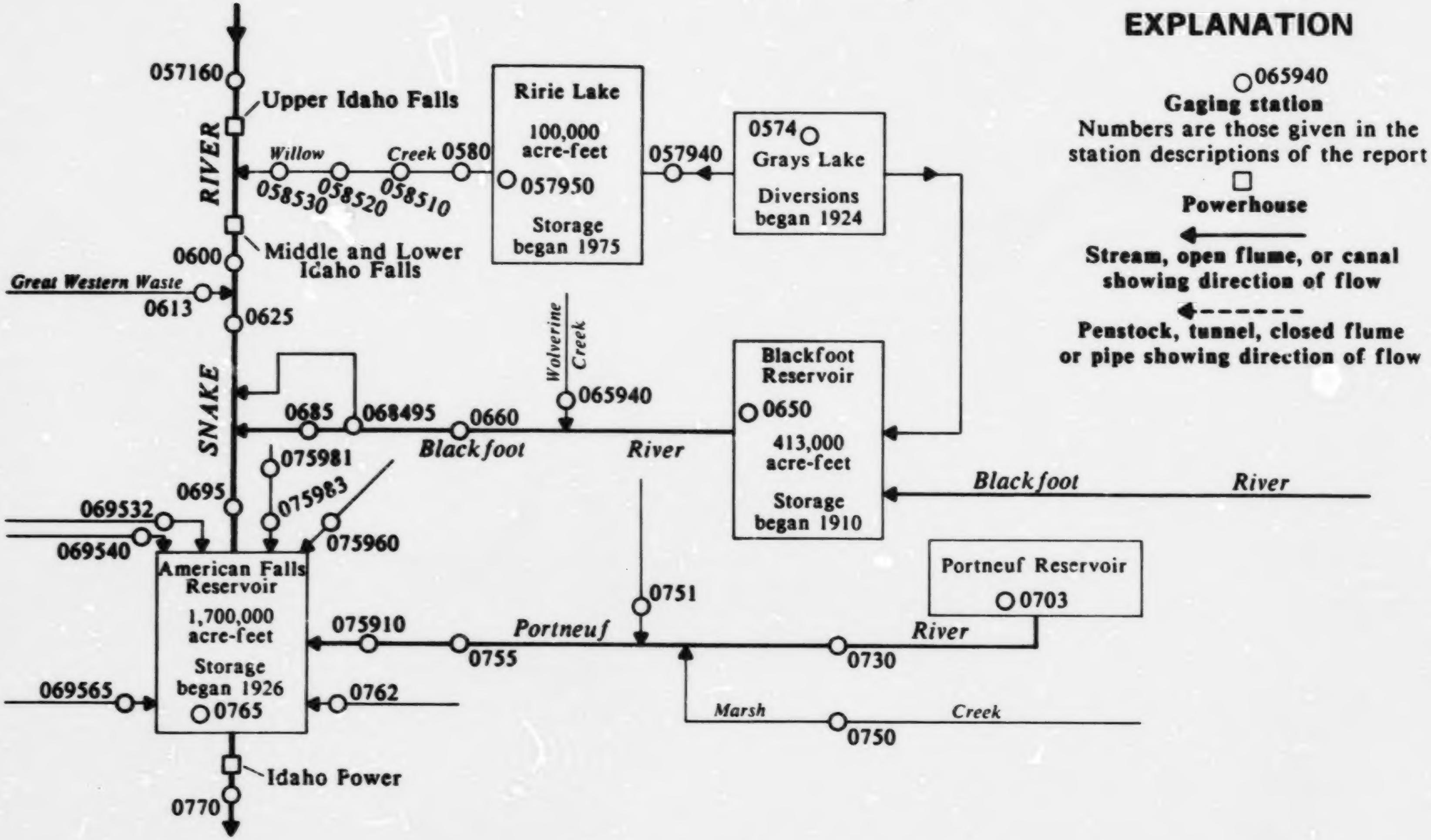

EXPLANATION
065940
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow
057160
Upper Idaho Falls
RIVER
Willow
Creek
0580
058530
058520
058510
Ririe Lake
100,000 acre-feet
057950
Storage began 1975
057940
0574
Grays Lake
Diversions began 1924
0600
Middle and Lower Idaho Falls
Great Western Waste
0613
0625
SNAKE
Wolverine Creek
065940
Blackfoot Reservoir
0650
413,000 acre-feet
Storage began 1910
0685
068495
0660
Blackfoot
River
Blackfoot
River
075981
0695
075983
069532
069540
075960
American Falls Reservoir
1,700,000 acre-feet
Storage began 1926
0765
Portneuf Reservoir
0703
0751
075910
Portneuf
River
0755
0730
069565
0762
Marsh
Creek
0750
Idaho Power
0770

Figure 17.--Gaging stations in Snake River basin between Idaho Falls and Snake River at Neeley.

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13077650 ROCK CREEK NEAR AMERICAN FALLS, ID

LOCATION.--Lat 42°39'10", long 113°01'00", in NW¼NE¼SW¼ sec. 12, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, on right bank 700 ft east of Register Rock historical site, 150 ft downstream from Interstate Highway 86, 0.3 mi upstream from Snake River, and 12 mi southwest of American Falls.

DRAINAGE AREA.--320 mi^2.

PERIOD OF RECORD.--October 1978 to September 1980, April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 23-25, Dec. 12 to Jan. 20, and Feb. 17 to Mar. 7. Records good except for estimated daily discharges, which are fair. Many small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,990 ft 3/s, Jan. 13, 1980, gage height, 8.80 ft, site and datum then in use, on basis of slope-area measurement; minimum daily, 0.05 ft 3/s Aug. 8, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,950 ft^3/s Dec. 23, 1964, on basis on contracted opening survey.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,950 ft^3/s Feb. 17, gage height, 13.47 ft; minimum, 4.2 ft^3/s, July 4, gage height, 2.21 ft.

Rating table (gage height, in feet, and discharge in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 23 to Jan. 20)

2.20	4.10	6.00	358
4.00	91	7.50	676

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	64	64	59	78	100	58	67	11	7.3	23	34
2	42	65	64	60	68	90	68	66	11	7.1	26	29
3	43	64	68	58	65	82	71	62	11	6.5	23	24
4	43	63	68	57	62	76	69	61	9.7	5.0	22	18
5	44	64	66	56	60	70	66	63	6.1	5.9	18	17
6	44	64	65	57	60	64	63	67	7.3	6.3	17	16
7	47	64	65	56	58	66	64	68	8.1	7.1	14	14
8	47	66	68	57	57	67	64	67	9.2	7.3	14	16
9	48	64	68	58	57	71	65	68	9.5	6.6	16	20
10	48	64	65	60	55	66	64	69	9.1	7.6	24	22
11	51	67	57	59	55	65	65	70	7.4	8.2	27	22
12	51	64	52	58	55	64	64	66	7.7	7.3	25	24
13	54	65	53	58	106	63	66	66	8.5	7.9	25	24
14	57	64	56	59	102	62	68	60	11	8.4	25	25
15	53	64	57	60	186	61	66	57	11	8.9	25	24
16	57	64	58	65	121	61	66	52	15	10	27	26
17	57	64	59	68	471	64	60	49	14	12	27	26
18	59	64	62	71	666	65	65	45	12	9.6	24	28
19	60	63	61	68	530	64	64	45	9.9	11	23	29
20	62	63	59	70	320	63	61	42	9.7	9.9	23	34
21	63	63	58	68	210	61	61	40	10	9.9	25	39
22	66	64	58	60	175	61	72	39	9.3	9.5	20	40
23	66	61	57	70	260	60	65	35	9.1	29	16	41
24	65	60	56	57	370	60	60	32	8.6	98	44	49
25	64	61	57	57	210	60	63	31	7.0	75	45	59
26	64	63	59	56	150	60	66	29	7.7	44	38	56
27	64	63	58	56	130	59	69	24	7.9	41	32	58
28	65	64	55	57	115	60	66	17	7.2	37	23	57
29	64	65	57	74	---	59	67	14	5.9	32	35	62
30	64	65	59	92	---	58	68	12	7.2	27	35	68
31	64	---	58	113	---	58	---	11	---	23	34	---
TOTAL	1718	1913	1867	1974	4852	2040	1954	1494	278.1	585.3	795	1001
MEAN	55.4	63.8	60.2	63.7	173	65.8	65.1	48.2	9.27	18.9	25.6	33.4
MAX	66	67	68	113	666	100	72	70	15	98	45	68
MIN	42	60	52	56	55	58	58	11	5.9	5.0	14	14

WTR YR 1986 TOTAL 20471.4 MEAN 56.1 MAX 666 MIN 5.0

13077700 GEORGE CREEK NEAR YOST, UT

LOCATION.--Lat 41°55'07", long 113°28'51", in SE¼SW¼SW¼ sec.20, T.14 N., R.14 W., Box Elder County, Hydrologic Unit 17040201, on right bank 1,000 ft upstream from section corner and boundary of Sawtooth National Forest, 4.5 mi southeast of Yost, 5 mi south of Utah-Idaho State line, and 16 mi southwest of Strevell, Idaho.

DRAINAGE AREA.--7.84 mi^2.

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--27 years, 8.19 ft^3/s, 5,930 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 295 ft^3/s May 30, 1983, gage height, 1.78 ft; minimum, 1.0 ft^3/s July 14-19, 1976, Feb. 5, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 108 ft^3/s June 2, 3, gage height, 1.39 ft; minimum daily, 1.8 ft^3/s Jan. 7-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.9	2.5	2.0	2.1	2.9	8.1	19	104	15	5.5	3.8
2	2.5	2.9	2.6	2.0	2.1	2.9	8.0	20	107	15	5.5	3.8
3	2.5	2.9	2.7	2.0	2.2	2.9	8.0	25	106	13	5.5	3.8
4	2.5	2.9	2.7	2.0	2.3	2.9	8.1	31	104	12	5.5	3.8
5	2.5	2.9	2.7	2.0	2.1	2.9	8.5	31	102	11	5.2	3.8
6	2.5	2.9	2.7	1.9	2.1	3.0	8.3	31	91	11	5.2	3.8
7	3.0	2.9	2.7	1.8	2.1	3.1	8.0	27	73	10	6.1	3.8
8	3.4	2.9	2.7	1.8	2.1	3.1	8.4	23	63	9.8	5.5	3.8
9	3.4	2.8	2.7	1.8	2.1	3.1	8.5	20	58	9.3	5.2	4.0
10	3.4	2.5	e2.5	1.8	2.2	3.1	8.5	18	57	8.9	5.2	3.8
11	3.4	2.5	e2.3	1.8	2.3	3.1	8.4	17	53	8.9	4.9	3.8
12	3.4	2.5	e2.1	1.8	2.3	3.1	8.6	16	51	8.5	4.9	3.5
13	3.2	2.5	e2.0	1.8	2.3	3.1	9.1	16	51	8.0	4.9	3.5
14	3.1	2.5	e2.0	2.0	2.3	3.1	9.1	16	50	8.0	4.9	3.8
15	3.1	2.5	e2.0	2.0	2.3	3.0	9.6	16	48	7.6	4.6	3.5
16	3.1	2.5	e2.0	2.0	2.3	3.1	9.2	16	47	7.6	4.3	3.5
17	3.1	2.5	e2.0	2.0	2.6	3.1	9.1	16	44	6.9	4.3	3.3
18	3.1	2.5	e2.0	2.0	3.5	3.1	9.4	15	42	6.5	4.3	4.0
19	3.1	2.5	e2.0	2.0	3.4	3.1	9.6	19	42	6.1	4.3	3.8
20	3.1	2.5	2.0	2.0	3.0	3.0	9.6	29	41	6.1	4.9	3.8
21	3.1	2.5	2.0	2.0	2.9	3.0	9.3	39	37	5.8	5.5	3.5
22	3.1	2.5	2.0	2.1	2.9	3.3	13	41	33	5.8	4.6	3.5
23	3.1	2.5	2.0	2.1	2.9	3.1	23	41	30	9.8	4.3	3.5
24	3.1	2.5	2.0	2.1	2.9	3.1	27	38	28	8.9	4.3	3.8
25	3.1	2.5	2.0	2.0	2.9	3.2	27	38	26	8.5	4.3	3.8
26	3.1	2.5	2.0	2.0	2.9	3.4	23	41	26	8.5	4.3	3.8
27	2.9	2.5	2.0	2.0	2.9	3.4	22	61	24	7.2	4.3	3.8
28	2.9	2.5	2.0	2.1	2.9	3.9	21	84	20	6.5	4.0	3.5
29	2.9	2.5	2.0	2.1	---	5.2	20	86	19	6.1	4.3	3.5
30	2.9	2.5	2.0	2.1	---	6.3	19	88	18	6.1	4.3	4.0
31	2.9	---	2.0	2.1	---	8.0	---	96	---	5.8	4.0	---
TOTAL	93.0	78.5	68.9	61.2	70.9	106.6	378.4	1074	1595	268.2	148.9	111.4
MEAN	3.00	2.62	2.22	1.97	2.53	3.44	12.6	34.6	53.2	8.65	4.80	3.71
MAX	3.4	2.9	2.7	2.1	3.5	8.0	27	96	107	15	6.1	4.0
MIN	2.5	2.5	2.0	1.8	2.1	2.9	8.0	15	18	5.8	4.0	3.3
AC-FT	184	156	137	121	141	211	751	2130	3160	532	295	221

CAL YR 1985 TOTAL 2150.2 MEAN 5.89 MAX 44 MIN 1.5 AC-FT 4260
WTR YR 1986 TOTAL 4055.0 MEAN 11.1 MAX 107 MIN 1.8 AC-FT 8040

e Estimated.

13078000 RAFT RIVER ABOVE ONEMILE CREEK, NEAR MALTA, ID

LOCATION.--Lat 42°04'06", long 113°26'56", in SW¼NW¼NW¼ sec. 5, T.16 S., R.26 E., Cassia County, Hydrologic Unit 17040210, U.S. Bureau of Land Management lands, on right bank 0.9 mi upstream from county road crossing, 0.2 mi upstream from Onemile Creek, and 17 mi southwest of Malta.

DRAINAGE AREA.--412 mi^2. Mean elevation, 6,300 ft.

PERIOD OF RECORD.--September 1946 to December 1953, May 1955 to June 1971, published as "at Peterson Ranch, near Bridge"; October 1975 to May 1984, equivalent records, published as "below Onemile Creek" (sta 13078205), except for unusually heavy rainstorm runoff from Onemile Creek drainage; December 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above National Geodetic Vertical Datum of 1929, from topographic map. From October 1975 to May 1984, at site 0.9 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 11-25, Dec. 5, Dec. 11 to Jan. 5, Jan. 7-9, 14, 25, 26, Feb. 7-11. Records good except estimated daily discharges, which are poor. Diversions above station for irrigation of about 16,000 acres (1966 determination).

AVERAGE DISCHARGE.--31 years (1947-53, 1956-70, 1976-83, 1986), 19.9 ft^3/s, 14,420 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft^3/s Jan. 14, 1980, gage height, 8.20 ft, site and datum then in use; minimum, 0.8 ft^3/s Jan. 23, 1961, gage height, 1.02 ft, site and datum then in use, result of ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 316 ft^3/s Feb. 18, gage height, 6.61 ft; minimum daily, 9.4 ft^3/s July 21.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 11-25, Dec. 3, Dec. 11 to Jan. 5,
Jan. 7-9, 14, 25, 26, Feb. 7-11)

3.8	8.2	4.5	60
4.0	16	5.5	167
4.2	30	6.5	299

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	13	18	13	45	99	98	108	116	18	12	12
2	9.9	14	19	13	38	97	108	100	121	19	12	12
3	9.8	13	19	12	35	100	106	96	115	18	12	12
4	9.7	14	18	11	32	98	112	102	98	17	11	11
5	10	14	16	13	28	96	111	135	117	15	11	11
6	11	14	18	15	27	95	111	143	115	13	12	11
7	11	14	19	14	22	96	104	146	105	13	11	11
8	11	15	20	15	20	103	128	152	146	12	16	12
9	11	15	19	16	18	113	171	193	134	13	18	14
10	11	14	17	15	20	109	163	168	121	14	14	15
11	11	12	11	15	22	103	143	155	93	13	14	14
12	11	11	9.5	15	24	97	133	140	76	13	14	13
13	11	11	11	15	26	95	134	125	68	13	13	13
14	11	12	12	14	31	89	143	118	50	14	14	13
15	11	13	13	16	44	84	135	111	51	13	14	13
16	11	13	15	17	79	85	124	108	49	13	12	13
17	12	13	14	19	74	91	119	107	43	13	12	13
18	12	12	15	21	233	86	109	102	37	12	12	13
19	11	11	15	25	230	87	104	96	33	10	11	14
20	11	10	14	27	225	82	99	88	32	9.6	12	16
21	12	9.5	14	24	130	77	97	77	31	9.4	12	15
22	12	10	14	22	102	75	98	118	28	9.9	13	14
23	13	9.7	14	22	112	78	101	124	27	11	12	14
24	14	11	14	21	181	80	106	120	24	12	12	14
25	14	14	14	19	148	80	117	107	21	11	12	14
26	14	18	13	19	137	80	137	101	21	12	11	14
27	13	18	12	21	120	79	145	102	21	13	12	14
28	13	19	11	23	108	80	141	109	19	14	11	14
29	13	19	12	26	---	84	148	120	19	15	42	15
30	13	19	12	33	---	90	122	127	18	12	16	15
31	13	---	13	42	---	96	---	122	---	13	13	---
TOTAL	360.1	405.2	455.5	593	2309	2804	3667	3720	1958	407.9	423	399
MEAN	11.6	13.5	14.7	19.1	82.5	90.5	122	120	65.3	13.2	13.6	13.3
MAX	14	19	20	42	233	113	171	193	146	19	42	16
MIN	9.7	9.5	9.5	11	18	75	97	77	18	9.4	11	11

CAL YR 1985 TOTAL 9275.1 MEAN 25.4 MAX 139 MIN 4.7
WTR YR 1986 TOTAL 17501.7 MEAN 47.9 MAX 233 MIN 9.4

13079901 RAFT RIVER NEAR MOUTH AT YALE, ID

LOCATION.--Lat 42°35'52", long 113°14'16", in SW¼SE¼NE¼ sec. 36, T.9 S., R. 27 E., Cassia County, Hydrologic Unit 17040210, at county road crossing 0.15 mi west of Yale.

DRAINAGE AREA.--1,510 mi^2.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-9, Dec. 11-15, 17-20, 22, 24-31. Records fair except for estimated daily records, which are poor. Many diversions above station for irrigation and stock water.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 17, 1971, reached a discharge of 1,530 ft^3/s, from culvert computation of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 182 ft^3/s Jan. 30, 1986; minimum daily, 0.60 ft^3/s Dec. 12, 13, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 182 ft^3/s Jan. 30; minimum daily, 0.60 ft^3/s Dec. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	.89	.66	.92	19	58	69	133	110	5.2	2.7	2.6
2	.98	.90	.71	.91	7.7	59	75	126	112	4.7	3.2	1.8
3	.94	.89	.81	.91	6.7	59	78	120	113	4.0	3.2	1.8
4	.92	.84	.82	.91	2.4	60	80	117	116	4.9	3.2	1.6
5	.94	.85	.86	.87	2.1	62	82	115	120	3.8	3.1	1.5
6	.95	.88	.82	.86	2.1	64	83	123	120	4.0	3.0	1.8
7	.96	.91	.81	.84	2.1	66	83	130	119	4.1	3.0	1.9
8	.96	.94	.83	.83	2.0	68	85	145	121	4.0	3.2	1.6
9	.96	.91	.82	.82	2.0	71	89	154	124	4.1	3.4	3.1
10	.97	.90	.78	.77	2.0	74	93	151	125	4.4	3.5	3.8
11	.97	.92	.62	.77	2.0	77	99	151	125	3.4	2.7	1.5
12	.97	.89	.60	.77	2.0	79	104	148	122	3.3	3.5	1.4
13	.97	.93	.60	.75	124	80	106	147	111	3.1	3.4	1.3
14	.97	.97	.61	.73	73	80	109	144	97	3.1	3.4	1.3
15	.97	1.2	.63	.69	50	78	111	140	83	3.2	3.5	1.3
16	.97	1.2	.65	.71	8.0	79	113	136	71	3.3	3.7	1.3
17	.97	1.1	.65	82	82	77	112	129	60	3.9	3.8	1.3
18	.97	1.1	.67	95	171	62	111	123	48	5.2	3.6	1.2
19	.97	1.0	.67	103	26	65	110	111	37	4.3	3.4	1.2
20	.98	.98	.70	80	9.8	67	109	100	31	4.0	3.2	1.2
21	1.0	.94	.73	26	11	67	106	100	27	3.7	3.0	1.2
22	.99	.89	.72	13	21	66	106	99	26	3.5	3.0	1.1
23	1.0	.82	.79	4.2	33	66	108	105	24	3.4	2.7	1.1
24	1.1	.82	.76	2.3	38	67	110	115	20	3.8	2.7	1.1
25	1.1	.84	.76	1.8	43	67	115	121	15	3.6	4.2	1.1
26	.99	.83	.76	1.5	47	67	115	120	14	3.8	3.5	1.1
27	.99	.81	.72	1.4	51	67	119	113	12	3.8	3.2	1.2
28	.96	.79	.69	1.4	55	65	122	100	11	3.1	3.0	1.1
29	.93	.73	.77	20	---	63	124	99	9.1	3.1	3.4	1.2
30	.95	.65	.80	182	---	64	132	101	6.7	3.3	3.0	1.2
31	.92	---	.86	173	---	65	---	105	---	3.0	3.0	---
TOTAL	30.17	27.32	22.68	799.66	894.9	2109	3058	3821	2129.8	118.1	100.4	45.9
MEAN	.97	.91	.73	25.8	32.0	68.0	102	123	71.0	3.81	3.24	1.53
MAX	1.1	1.2	.86	182	171	80	132	154	125	5.2	4.2	3.8
MIN	.92	.65	.60	.69	2.0	58	69	99	6.7	3.0	2.7	1.1
AC-FT	60	54	45	1590	1780	4180	6070	7580	4220	234	199	91

WTR YR 1986 TOTAL 13156.93 MEAN 36.0 MAX 182 MIN .60 AC-FT 26100

13081000 LAKE WALCOTT NEAR MINIDOKA, ID

LOCATION.--Lat 42°40'15", long 113°29'00", near center of sec.1, T.9 S., R.25 E., Minidoka County, Hydrologic Unit 17040209, on south wall in powerhouse at Minidoka Dam on Snake River, 6 mi southeast of Minidoka, and at mile 675.0.

DRAINAGE AREA.--15,700 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--April 1909 to September 1979; October 1984 to September 1985.

GAGE.--Water-stage recorder. Datum of gage is U.S. Bureau of Reclamation datum, which is 49.52 ft lower than National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by rock-fill dam with concrete core; storage began in 1906. Capacity, 107,240 acre-ft between elevations 4,236.00 ft, sill of powerhouse penstock, and 4,246.00 ft, top of flashboards. Dead storage below elevation 4,236.00 ft, about 115,000 acre-ft. Water used for power development and irrigation on Minidoka project of U.S. Bureau of Reclamation. Contents given herein are above elevation 4,236.00 ft.

COOPERATION.- Elevations and capacity table furnished by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 110,700 acre-ft Aug. 8, 1922, elevation, 4,246.28 ft; minimum, 101,410 acre-ft Nov. 17, 1941, elevation, 4,215.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 97,700 acre-ft July 5, elevation, 4,245.21 ft; minimum, 37,700 acre-ft Nov. 25, Mar. 17, elevation, 4,239.78 ft.

Capacity table (elevation, in feet and contents, in acre-feet)

4,239.0	29,600
4,242.0	61,300
4,246.0	107,200

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94200	84600	46800	51400	47400	51200	86900	91800	89200	93200	93300	96000
2	93800	84500	47600	52000	46800	49700	88300	91200	88900	94200	93400	96400
3	94800	84100	48200	51900	46400	46500	88500	91500	89800	96000	93200	96900
4	94900	83200	47700	51900	46000	42600	88300	91700	90900	96600	93900	96500
5	94600	80300	46700	52100	45800	43300	88100	92200	90800	97500	94600	96100
6	94500	78500	45900	52000	45200	50500	88200	91500	92400	95800	94500	96300
7	94900	76500	45300	51800	46800	58200	89700	91800	93200	94100	93900	94200
8	94700	74700	45000	50700	50800	61800	89700	91600	93900	94400	94000	94500
9	93600	73300	44400	50300	53100	63900	89800	91800	94500	94000	94700	94800
10	92900	70500	44300	50000	55300	64200	88900	91500	94000	93400	94600	94800
11	92000	68400	44500	49800	57000	65400	90800	91500	93700	94200	94100	94900
12	90400	68600	44500	49700	57800	67800	90600	91100	94200	95400	93100	94200
13	90400	68100	44200	49600	59300	69400	92600	90100	94600	95800	93600	94600
14	90200	66400	43700	49600	59400	65600	92600	91100	94200	95800	93400	94400
15	91100	62700	43100	49500	59700	51300	91000	90800	94500	96100	93700	94400
16	89800	58800	43300	49700	59600	41100	89500	90600	94100	95800	93900	94600
17	90400	55100	44100	50400	61600	40200	89700	90900	93900	95900	94500	94200
18	90300	50400	44400	50600	61500	46500	89200	90600	93100	96600	94900	95100
19	89800	48200	44700	50500	60800	57400	89100	90400	94500	96300	94800	95100
20	89800	44000	45200	50500	60200	81100	89400	89000	94100	95700	94800	95200
21	89100	41300	46100	50400	59700	85900	88900	89500	94400	94900	95300	95300
22	89100	39400	47500	50300	58800	87300	85900	91100	94400	93700	94900	95300
23	89100	38400	48900	50100	59600	88100	90100	90600	93700	93100	95400	95100
24	88500	38100	50200	50100	59600	88700	90400	90200	94800	93300	95700	94900
25	87800	38600	50800	50200	59300	88800	89200	90500	94900	93800	96500	94400
26	87700	41300	51200	50000	59300	88800	91000	90800	94800	94100	96300	94100
27	87000	43200	51500	49900	58000	88400	91200	90400	94900	94500	95700	93900
28	86300	45000	51500	50000	54600	88500	91800	90100	92900	95200	95700	94400
29	86200	46100	51500	48600	---	88700	91800	89500	92600	94800	95800	94700
30	85400	46400	51700	48300	---	88800	92400	89600	92300	94200	95100	95100
31	84500	---	51800	48300	---	89400	---	89800	---	94000	95900	---
MAX	94900	84600	51800	52100	61600	89400	92600	92200	94900	97500	96500	96900
MIN	84500	38100	43100	48300	45200	40200	85900	89000	88900	93100	93100	93900
(†)	4244.08	4240.61	4241.12	4240.79	4241.38	4244.50	4244.76	4244.54	4244.75	4244.90	4245.08	4244.99
(‡)	-9400	-38100	5400	-3500	6300	34800	3000	-2600	2500	1700	1900	-800

CAL YR 1985 ....(‡) -7400
WTR YR 1986 ....(‡) 1200

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13081500 SNAKE RIVER NEAR MINIDOKA, ID

LOCATION.--Lat 42°40'23", long 113°29'58", in SW¼NE¼ sec. 2, T. 9 S., R. 25 E., Minidoka County, Hydrologic Unit 17040209, on right bank 1 mi downstream from Minidoka Dam, 6 mi south of Minidoka, and at mile 673.5.

DRAINAGE AREA.--15,700 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--August 1895 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "below Minidoka Dam, at Howell's Ferry," 1911. Records for August 1895 to Apr. 20, 1910, at site 6 mi downstream "at Montgomery Ferry."

REVISED RECORDS.--WSP 1347: 1911.

GAGE.--Water-stage recorder. Datum of gage is 4,132.2 ft above National Geodetic Vertical Datum of 1929 (river-profile survey). Prior to Apr. 21, 1910, nonrecording gage at site 6 mi downstream at different datum. Apr. 21, 1910, to Aug. 28, 1911, nonrecording gage at present site and datum.

REMARKS.-- Estimated daily discharges: Nov. 18 to Dec. 1, Dec. 3-5, Dec. 10 to Jan. 20, Feb. 25-28. Records good except for periods of estimated record, which are fair. Flow regulated by American Falls Reservoir, Lake Walcott, and other reservoirs, having a combined usable capacity of about 4,700,000 acre-ft. Diversions above station for irrigation of about 128,000 acres below and about 1,200,000 acres above station, of which about 304,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks into the Snake River Plain aquifer above station.

AVERAGE DISCHARGE.--60 years (1927-86), 6,527 ft^3/s, 4,729,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,500 ft^3/s May 29, 30, 1897, gage height, 12.6 ft, former site and datum; minimum, 37 ft^3/s Jan. 28, Feb. 4, 11, 18, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,900 ft^3/s May 9, gage height, 12.12 ft; maximum gage height, 12.18 ft May 14; minimum, 2,180 ft^3/s Mar. 18, gage height, 4.48 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 18 to Dec. 1, Dec. 3-5, Dec. 10 to Jan. 20)

Oct. 1 to Jan. 20, May 12 to Sept. 30				Jan. 21 to May 11			
4.5	2190	8.0	10400	4.5	2190	8.0	11000
5.0	3000	9.0	13600	5.0	3000	9.0	14400
6.0	5040	11.0	20600	6.0	5130	11.0	21600
7.0	7530	12.2	25700	7.0	7870	12.2	26200

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4540	2760	4180	5170	4570	8200	20800	22300	18100	11300	8720	8310
2	4150	2770	4130	5170	4410	7700	20500	22500	18000	12000	8720	8140
3	4270	2710	4220	5160	4320	9430	20700	22200	16800	11700	8730	7910
4	3830	2640	4400	5150	4200	9200	20600	22200	16000	10900	8610	7750
5	3760	3380	4380	5210	4160	8560	20500	23300	16300	11300	8770	7680
6	3740	3330	4280	5300	4310	9340	20500	23200	16900	11100	9000	7550
7	3960	3240	4110	5230	3720	11600	17900	23900	17300	10200	9250	7370
8	3780	3270	4180	5190	3670	13400	15400	24500	18200	9190	9170	7260
9	3570	3170	3960	5150	4520	14400	15000	25200	20000	9070	9100	7320
10	2710	3140	3500	4990	5190	14900	16200	25500	21300	9300	9210	7430
11	2710	3050	3360	4970	6010	15200	16900	25400	22000	9360	9260	7280
12	2780	2360	3710	4960	6490	16200	17000	24900	22000	9230	9340	6990
13	2680	2260	3940	4990	7010	17000	17200	24900	22400	9280	9340	6730
14	2700	2620	4050	4900	7270	17200	18200	25100	22500	9390	9330	6690
15	2710	3780	4250	4910	7420	13400	19300	25300	23100	9380	9380	6620
16	2730	3740	3940	4890	7460	9690	19700	25200	23500	9310	9480	6580
17	2720	3680	3830	5020	7690	5920	20600	25000	23000	9120	9480	6380
18	2700	3550	3810	5250	8440	2740	20700	25000	22600	8810	9410	6240
19	2690	3310	3880	5390	8040	2690	20500	24900	23200	8710	9300	6100
20	2670	3460	3910	5400	7410	8380	20500	23700	23400	8620	9320	6020
21	2760	3370	3980	5560	7310	17600	20300	22300	23300	8620	9340	6030
22	2780	3280	4180	5390	7280	19300	19400	20300	23500	8960	9290	6030
23	2790	3220	4290	5350	7200	19900	19300	19900	23100	8840	9140	6010
24	2730	3200	4430	5320	7500	20300	19600	21100	21200	8720	9000	6010
25	2720	3370	4790	5240	6950	20700	20000	21400	19000	8510	8900	6850
26	2730	3400	4960	5210	6840	20800	21300	21700	16500	8330	8740	8110
27	2740	3820	5080	5190	6800	20700	21700	21600	13800	8230	8590	8530
28	2720	3890	5190	5190	8600	20700	21600	21500	12700	8130	8610	8430
29	2720	4080	5200	5030	---	20700	21400	20800	12200	8140	8500	8320
30	2710	4160	5230	4670	---	20700	21800	19000	11400	8300	8400	8570
31	2790	---	5180	4710	---	20900	---	18100	---	8440	8350	---
TOTAL	95590	98010	132440	159260	174790	437450	585100	711900	583300	290490	279780	215240
MEAN	3084	3267	4272	5137	6243	14110	19500	22960	19440	9371	9025	7175
MAX	4540	4160	5230	5560	8600	20900	21800	25500	23500	12000	9480	8570
MIN	2670	2260	3360	4670	3670	2690	15000	18100	11400	8130	8350	6010
AC-FT	189600	194400	262700	315900	346700	867700	1161000	1412000	1157000	576200	554900	426900

CAL YR 1985 TOTAL 2929670 MEAN 8026 MAX 20000 MIN 2260 AC-FT 5811000
WTR YR 1986 TOTAL 3763350 MEAN 10310 MAX 25500 MIN 2260 AC-FT 7465000

13082060 F-WASTE DRAIN NEAR DECLO, ID

LOCATION.--Lat 42°32'49", long 113°37'39", in NE¼NE¼NE¼ sec.22, T.10 S., R.24 E., Cassia County, Hydrologic Unit 17040209, at State Highway 77 crossing, left bank, 2 mi north of Declo.

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,162 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 23 to Nov. 5, Nov. 22-29, Dec. 12 to Feb. 17. Records good except for estimated daily discharges, which are poor. During irrigation season, flow consists of irrigation waste return.

EXTREMES FOR CURRENT PERIOD.--August to September 1985: Maximum daily discharge during period, 276 ft^3/s, Sept. 2; minimum daily, 25 ft^3/s, Aug. 8.

Water year 1986: Maximum daily discharge, 478 ft^3/s June 7; minimum daily, 0.36 ft^3/s Mar. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	148
2											---	276
3											---	238
4											---	142
5											---	87
6											87	131
7											63	66
8											25	107
9											67	218
10											73	238
11											90	225
12											77	155
13											54	122
14											74	127
15											76	126
16											69	117
17											80	160
18											110	204
19											91	206
20											101	212
21											94	184
22											81	187
23											76	163
24											72	138
25											111	136
26											95	135
27											68	134
28											61	135
29											61	176
30											83	187
31											60	---
TOTAL											---	4882
MEAN											---	163
MAX											---	276
MIN											---	66
AC-FT											---	9680

13082060 F-WASTE DRAIN NEAR DECLO, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	6.2	1.8	.70	1.4	1.0	20	231	157	38	59	279
2	169	6.2	2.0	.70	1.8	.97	405	123	111	54	28	237
3	165	6.2	1.8	.70	1.2	.93	274	83	92	60	49	89
4	174	6.2	1.7	.70	1.0	.83	261	54	113	93	63	54
5	186	6.2	1.7	.70	1.0	.66	257	68	230	157	58	49
6	184	6.2	1.7	.70	.90	.62	256	72	403	193	59	74
7	214	6.2	1.7	.70	.90	.62	248	149	478	184	65	105
8	229	5.9	1.6	.70	.90	1.0	273	200	454	145	44	125
9	257	5.7	1.5	.70	.80	1.8	302	282	367	124	15	139
10	291	5.2	1.4	.70	.80	1.1	308	264	231	95	20	172
11	311	3.8	1.4	.70	.80	1.1	309	270	242	92	32	144
12	303	6.5	1.2	.70	.80	.86	309	278	219	101	23	136
13	297	4.5	1.2	.70	1.2	.64	310	243	167	108	32	115
14	206	4.2	1.2	.80	1.4	.58	270	182	99	115	68	128
15	213	4.2	1.2	.80	1.8	.51	161	177	77	82	49	158
16	16	4.2	1.2	.80	1.2	.65	188	155	56	69	77	133
17	12	4.3	1.0	1.0	3.5	.81	134	114	82	76	86	68
18	11	3.5	1.0	1.2	5.2	.82	175	127	82	115	60	72
19	106	3.3	1.0	1.0	5.7	.49	159	134	45	233	37	76
20	14	3.8	1.0	1.0	4.8	.48	158	80	58	320	26	109
21	14	3.4	1.0	.90	3.1	.45	138	51	68	213	39	134
22	14	3.0	1.0	.80	2.5	.40	87	85	100	70	69	165
23	10	2.5	.90	.80	2.2	.42	67	166	85	69	84	181
24	8.0	2.5	.90	.80	2.0	.39	61	222	48	101	101	179
25	7.0	2.5	.90	.80	1.8	.37	130	244	82	110	101	184
26	7.0	2.2	.90	.80	1.5	.41	213	233	118	129	37	207
27	7.0	2.0	.80	.80	1.3	.43	309	171	66	169	42	244
28	6.5	2.0	.80	.90	1.1	.45	313	135	53	152	23	249
29	6.5	2.0	.80	.90	---	.46	309	145	53	73	53	255
30	6.5	1.8	.80	2.5	---	.42	298	132	45	69	149	250
31	6.5	---	.80	2.4	---	.36	---	131	---	71	244	---
TOTAL	3643.0	126.4	37.90	28.10	52.60	20.81	6702	4981	4461	3680	1892	4510
MEAN	118	4.21	1.22	.91	1.88	.67	223	161	149	119	61.0	150
MAX	311	6.5	2.0	2.5	5.7	1.8	405	278	478	320	244	279
MIN	6.5	1.8	.80	.70	.80	.36	20	51	45	38	15	49
AC-FT	7230	251	75	56	104	41	13290	9880	8850	7300	3750	8950

WTR YR 1986 TOTAL 30134.81 MEAN 82.6 MAX 478 MIN .36 AC-FT 59770

13082320 MARSH CREEK NEAR DECLO, ID

LOCATION.--Lat 42°31'30", long 113°38'50", in NE¼NE¼SE¼ sec. 28, T. 10 S., R. 24 E., Cassia County, Hydrologic Unit 17040209, at county road crossing 1.1 mi northwest of Declo.

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,175 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 12 to Feb. 18, July 14 to Aug. 27. Records good except for periods of estimated record, which are poor. Many diversions for irrigation and stock water upstream. During the irrigation season, flow consists of irrigation return from area canals.

EXTREMES FOR CURRENT PERIOD.--August to September 1985: Maximum discharge, 21 ft^3/s Aug. 25, gage height, 4.56 ft; minimum, 4.3 ft^3/s Sept. 24, gage height, 4.07 ft.

Water Year 1986: Maximum discharge, 214 ft^3/s Feb. 19, gage height, 6.72 ft; minimum daily, 5.3 ft^3/s Oct. 22, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	11
2											---	10
3											---	13
4											---	9.9
5											9.9	9.0
6											12	9.0
7											14	9.2
8											16	8.9
9											17	8.7
10											17	7.1
11											17	6.8
12											17	6.4
13											16	6.1
14											13	5.9
15											12	5.5
16											11	5.3
17											15	5.3
18											19	5.1
19											18	4.7
20											17	4.7
21											12	5.1
22											12	4.9
23											11	5.3
24											14	5.1
25											16	7.4
26											15	7.7
27											13	8.1
28											15	7.0
29											14	7.7
30											11	8.8
31											12	---
TOTAL											---	218.7
MEAN											---	7.29
MAX											---	13
MIN											---	4.7
AC-FT											---	434

13082320 MARSH CREEK NEAR DECLO, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	7.9	8.7	11	28	70	36	58	88	34	18	18
2	6.9	8.0	9.2	11	29	62	38	51	97	31	17	17
3	6.6	7.9	9.7	11	31	56	40	47	105	27	17	15
4	6.8	8.0	9.0	11	31	52	48	52	112	26	16	16
5	8.1	8.2	6.6	12	28	48	76	65	126	25	16	13
6	7.9	7.6	9.2	13	25	45	85	77	142	25	17	12
7	6.9	7.4	9.7	12	21	43	85	82	154	27	17	14
8	6.3	8.0	8.4	14	18	43	84	82	150	24	17	16
9	6.1	8.5	7.7	15	17	48	78	86	156	25	17	14
10	6.0	8.6	7.0	17	18	58	77	84	142	23	17	13
11	6.0	8.6	6.8	17	20	55	75	80	123	22	17	10
12	6.0	7.6	6.6	18	22	55	87	77	108	23	17	7.4
13	5.9	7.4	8.5	19	29	52	81	70	101	27	17	6.9
14	6.2	7.9	9.4	20	36	46	84	65	93	20	18	8.0
15	6.3	8.4	9.8	21	47	43	85	62	87	18	18	7.4
16	5.9	9.2	9.6	24	60	41	78	58	85	18	19	7.7
17	5.7	9.3	9.7	27	88	40	73	57	78	17	18	7.5
18	5.5	8.6	9.8	30	135	39	67	53	64	17	18	8.8
19	5.5	7.4	9.9	32	177	39	58	54	58	18	18	10
20	5.5	7.0	10	32	189	39	53	53	53	17	45	12
21	5.6	6.9	9.8	30	161	39	48	48	49	16	16	15
22	5.3	7.4	9.7	29	109	39	49	42	44	17	17	16
23	5.4	7.2	10	27	117	39	51	70	43	18	16	14
24	5.3	7.4	10	24	132	38	61	69	40	19	14	15
25	5.4	8.0	11	22	112	36	64	62	40	24	13	15
26	5.5	8.5	10	22	99	35	61	55	35	18	13	15
27	6.3	8.3	10	22	89	35	66	50	36	16	13	18
28	6.5	8.5	10	23	80	35	72	49	35	17	17	16
29	6.0	8.9	11	24	---	34	82	55	31	17	13	15
30	6.9	8.8	11	25	---	34	70	70	32	18	13	16
31	7.8	---	11	27	---	34	---	78	---	18	17	---
TOTAL	195.1	241.4	290.8	642	1948	1372	2012	1961	2507	662	536	388.7
MEAN	6.29	8.05	9.38	20.7	69.6	44.3	67.1	63.3	83.6	21.4	17.3	13.0
MAX	9.0	9.3	11	32	189	70	87	86	156	34	45	18
MIN	5.3	6.9	6.6	11	17	34	36	42	31	16	13	6.9
AC-FT	387	479	577	1270	3860	2720	3990	3890	4970	1310	1060	771

WTR YR 1986 TOTAL 12756.0 MEAN 34.9 MAX 189 MIN 5.3 AC-FT 25300

13082500 GOOSE CREEK ABOVE TRAPPER CREEK, NEAR OAKLEY, ID

LOCATION.--Lat 42°07'30", long 113°56'20", in sec.13, T.15 S., R.21 E., Cassia County, Hydrologic Unit 17040211, on right bank 0.2 mi upstream from maximum flow line of Oakley Reservoir, 5 mi upstream from Trapper Creek, 5 mi south of Oakley Dam, 9 mi southwest of Oakley, and at mile 35.1.

DRAINAGE AREA.--633 mi^2. Mean elevation, 6,030 ft.

PERIOD OF RECORD.--April 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,770 ft, by barometer. Prior to Aug. 29, 1912, at site 200 ft downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 12-16, 18, 21-23, Dec. 4-6, 10-12, Dec. 14 to Jan. 31, Feb. 9, 10, 12. Records good except for periods of estimated record, which are fair. Decreed water rights are reported to apply to about 2,700 acres above station. Diversions for irrigation are made as flow permits to a major part of this acreage. Flow of artesian well, completed in 1935, enters below station. Pumps on four wells above and one below gage may occasionally discharge into the channel. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

AVERAGE DISCHARGE.--72 years, 48.9 ft^3/s, 35,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,240 ft^3/s Feb. 11, 1962, gage height, 9.3 ft, determined from slope-area measurement of peak flow; no flow July 22 to Aug. 10, Aug. 22-30, 1934, Aug. 15 to Oct. 3, 1935, July 22 to Sept. 25, 1940, Sept. 14, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 365 ft^3/s Feb. 19, gage height, 4.01 ft; minimum daily, 17 ft^3/s Dec. 13.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 25 to Apr. 30; stage-discharge relation affected by ice Nov. 12-16, 18, 21-23, Dec. 4-6, 10-12, Dec. 14 to Jan. 31, Feb. 9, 10, 12)

1.6	15	2.5	92
1.8	27	3.0	158
2.0	43	3.5	240
		4.0	346

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	34	42	32	56	140	217	184	116	29	26	28
2	26	34	43	33	60	138	231	179	111	27	24	27
3	27	34	44	32	61	138	236	179	109	25	23	25
4	27	34	32	30	59	141	225	193	104	28	22	24
5	26	34	29	32	58	143	224	217	103	32	21	23
6	26	34	35	34	51	143	223	233	101	33	22	22
7	28	34	43	31	46	147	234	234	107	33	23	22
8	31	34	42	33	35	156	261	221	126	33	28	22
9	32	34	40	35	33	162	300	232	123	34	26	27
10	33	35	33	33	38	167	291	214	108	36	24	29
11	32	35	27	32	42	170	269	204	97	30	23	30
12	32	33	24	33	45	162	261	196	89	29	22	29
13	32	32	17	35	53	154	271	189	84	29	22	26
14	32	34	22	33	58	143	273	184	79	30	23	25
15	32	39	26	36	71	129	260	185	73	28	22	27
16	31	39	29	41	120	126	244	186	65	26	22	27
17	32	40	28	47	188	130	226	185	62	25	22	28
18	31	38	29	53	329	121	216	177	49	24	21	29
19	32	32	29	53	334	112	206	170	50	23	20	35
20	32	31	28	53	236	108	202	172	48	28	18	45
21	31	30	28	51	168	106	200	173	45	25	36	44
22	33	33	27	48	134	108	216	179	48	22	42	37
23	35	31	28	47	127	111	252	183	44	22	45	34
24	37	32	28	46	139	118	264	174	38	27	36	33
25	36	39	29	44	151	131	271	165	37	36	28	33
26	36	42	28	44	156	138	271	156	37	45	27	33
27	35	39	27	44	152	142	254	142	34	43	25	34
28	34	42	26	46	147	150	230	133	32	38	25	35
29	34	45	27	47	---	170	218	134	32	33	26	35
30	34	43	29	49	---	189	201	122	32	31	27	36
31	34	---	31	52	---	205	---	118	---	28	28	---
TOTAL	978	1070	950	1259	3147	4398	7247	5613	2183	932	799	904
MEAN	31.5	35.7	30.6	40.6	112	142	242	181	72.8	30.1	25.8	30.1
MAX	37	45	44	53	334	205	300	234	126	45	45	45
MIN	25	30	17	30	33	106	200	118	32	22	18	22
AC-FT	1940	2120	1880	2500	6240	8720	14370	11130	4330	1850	1580	1790

CAL YR 1985 TOTAL 18629 MEAN 51.0 MAX 207 MIN 11 AC-FT 36950
WTR YR 1986 TOTAL 29480 MEAN 80.8 MAX 334 MIN 17 AC-FT 58470

13083000 TRAPPER CREEK NEAR OAKLEY, ID

LOCATION.--Lat 42°10'10", long 113°58'20", in NW¼SE¼NW¼ sec.34, T.14 S., R.21 E., Cassia County, Hydrologic Unit 17040211, on left bank 4 mi upstream from Oakley, 7 mi southwest of Oakley, and at mile 3.0.

DRAINAGE AREA.--53.7 mi^2. Mean elevation, 6,360 ft.

PERIOD OF RECORD.--May 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1063: 1941, 1943. WSP 1567: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 4,820 ft, by barometer. Prior to Sept. 1, 1912, water-stage recorder at approximately present site at different datum, Apr. 8, 1913, to Sept. 30, 1916, and Mar. 28, 1919, to Aug. 15, 1931, at site 1 mi upstream at different datum. Sept. 1, 1912, to Apr. 7, 1913, nonrecording gage at site 0.8 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Aug. 15 to Sept. 30. Records good except for estimated daily discharges, which are fair. Small diversions above station for irrigation. Diversion and return flow for fish ponds just above station since 1979. Flow of artesian well, completed in 1936, enters above. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

AVERAGE DISCHARGE.--72 years, 15.5 ft^3/s, 11,230 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 270 ft^3/s Aug. 17, 1941, gage height, 6.99 ft during cloudburst, from rating curve extended above 100 ft^3/s on basis of velocity-area studies and peak flow over weir (a higher flow may have occurred during cloudburst Aug. 15, 1931); minimum, 1.3 ft^3/s Jan. 1, 1970, gage height, 4.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 80 ft^3/s Feb. 18, gage height, 6.50 ft; minimum, 4.0 ft^3/s Dec. 11, gage height, 4.93 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

5.0	7.2	5.6	30.0
5.2	14.0	5.8	40.0
5.4	21.0	6.1	56.0

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	13	13	15	35	42	40	36	14	13	13
2	13	13	14	12	16	36	43	41	34	13	13	13
3	13	13	14	12	16	36	41	43	32	13	13	12
4	13	13	14	12	15	35	40	49	28	12	13	12
5	13	13	14	13	15	36	39	50	31	12	13	12
6	13	13	14	13	15	36	40	50	32	11	13	12
7	15	13	14	12	15	37	42	46	33	11	13	12
8	14	13	14	13	15	40	43	46	33	11	13	13
9	13	13	14	12	15	40	42	45	31	11	13	14
10	13	13	13	12	16	39	41	43	30	11	13	15
11	14	14	8.5	12	15	37	42	42	29	11	13	15
12	14	13	9.9	12	15	35	43	40	28	11	13	14
13	13	13	16	13	20	33	43	40	27	10	13	13
14	13	13	13	13	19	32	41	39	25	10	14	13
15	14	13	13	13	25	31	41	39	23	10	13	13
16	13	13	13	16	23	31	41	39	22	10	13	14
17	14	13	13	17	33	30	40	39	21	10	12	14
18	14	13	13	15	50	28	39	39	21	9.9	12	15
19	14	12	13	15	36	28	38	40	20	9.8	11	16
20	13	14	12	15	31	27	39	42	20	9.7	9.9	18
21	14	13	12	14	26	27	42	46	19	9.6	14	17
22	14	13	12	14	27	28	47	47	16	11	15	16
23	16	12	12	14	38	28	50	45	16	14	17	15
24	14	14	12	14	40	30	50	43	16	15	15	14
25	14	16	12	14	39	29	51	41	15	15	13	14
26	14	14	11	14	40	29	48	41	15	17	12	14
27	14	13	11	14	40	30	45	41	15	16	12	15
28	14	14	11	14	37	34	44	41	15	15	12	15
29	13	14	13	15	---	37	42	41	16	14	12	16
30	13	13	13	16	---	41	40	38	15	14	13	16
31	13	---	12	16	---	43	---	36	---	14	13	---
TOTAL	422	397	393.4	424	707	1038	1279	1312	714	375.0	401.9	425
MEAN	13.6	13.2	12.7	13.7	25.3	33.5	42.6	42.3	23.8	12.1	13.0	14.2
MAX	16	16	16	17	50	43	51	50	36	17	17	18
MIN	13	12	8.5	12	15	27	38	38	15	9.6	9.9	12
AC-FT	837	787	780	841	1400	2060	2540	2600	1420	744	797	843

CAL YR 1985 TOTAL 6136.4 MEAN 16.8 MAX 30 MIN 8.5 AC-FT 12180
WTR YR 1986 TOTAL 7886.3 MEAN 21.6 MAX 51 MIN 8.5 AC-FT 15650

13083500 OAKLEY RESERVOIR NEAR OAKLEY, ID

LOCATION.--Lat 42°11'50", long 113°54'50", in sec.19, T.14 S., R.22 E., Cassia County, Hydrologic Unit 17040211, just upstream from right abutment of Oakley Dam on Goose Creek, 4 mi southwest of Oakley, and at mile 29.9.

DRAINAGE AREA.--729 mi^2.

PERIOD OF RECORD.--October 1912 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Nonrecording gage. Supplemental recording gage from May 17 to June 2, 1984. Elevation of gage is 4,630 ft, by barometer.

REMARKS.--Reservoir is formed by earth dam constructed in 1911-13; storage began in 1911. Usable capacity, 77,400 acre-ft between gage heights 0.0 ft, bottom of diversion tunnel, and 138.4 ft, crest of spillway. Crest raised in May 1984 from 136.0 ft. Dead storage negligible. Water is used for irrigation of lands along Goose Creek in Oakley Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table furnished by Oakley Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 75,600 acre-ft May 22, 1984, gage height, 137.0 ft; reservoir drained at close of irrigation season in 1915, 1919-20, 1926, 1933, 1950, 1959, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 60,600 acre-ft May 19, gage height, 123.4 ft; minimum observed, 19,300 acre-ft Sept. 22, gage height, 70.0 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

70.0	19300	110.0	48200
80.0	25200	120.0	57200
90.0	32100	125.0	62200
100.0	39800		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	33600	---	---	44300	---	59900	57500	---	---	21700
2	---	---	---	---	---	---	---	---	57100	41100	---	---
3	---	---	---	---	---	44800	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	29400	---
5	---	---	34100	---	---	---	---	59800	---	---	---	---
6	---	---	---	---	---	---	55000	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	38000	---	---
8	---	---	---	---	---	---	55600	60000	---	---	---	20600
9	---	---	---	---	---	---	---	---	53800	---	---	---
10	---	---	---	---	---	47300	56500	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	27500	---
12	---	---	---	---	---	---	---	60400	---	---	---	---
13	30500	32500	34500	---	---	48300	---	60500	---	---	---	---
14	---	---	---	36000	38200	---	57700	---	---	34800	26400	---
15	---	---	---	36100	---	---	---	60400	---	---	---	19800
16	---	---	---	---	---	---	---	---	51300	---	---	---
17	30900	---	---	---	39300	49300	58200	---	---	---	---	---
18	---	---	---	---	40000	---	---	---	---	---	---	---
19	---	---	---	---	40700	---	---	60600	---	---	---	---
20	---	---	---	---	41300	---	---	---	---	---	---	---
21	---	---	---	---	---	---	58500	---	---	32900	---	---
22	---	---	---	---	---	---	---	60300	---	---	---	19300
23	---	---	---	---	---	---	---	---	47000	---	---	---
24	---	33200	---	---	42700	50800	58800	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	23400	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	59400	---	---	---	---
28	---	---	---	---	44000	---	59600	---	---	31200	---	---
29	---	---	---	---	---	---	---	58700	---	---	---	---
30	---	33600	---	37200	---	---	59800	---	42500	---	---	19500
31	30800	---	35300	37300	---	52600	---	57800	---	30600	21900	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
(†)	88.2	92.0	94.3	96.9	105.1	115.0	122.6	120.6	103.3	88.0	74.6	70.3
(‡)	800	2800	1700	2000	6700	8600	7200	-2000	-15300	-11900	-8700	-2400

CAL YR 1985 ....(‡) -5400
WTR YR 1986 ....(‡) -10500

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13087900 LAKE MILNER AT MILNER DAM, ID

LOCATION.--Lat 42°31'25", long 114°00'47", in SW¼NE¼SE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Hydrologic Unit 17040209, near left end of Milner Dam on Snake River at Milner, at mile 640.0.

DRAINAGE AREA.--17,180 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,122.51 ft above National Geodetic Vertical Datum of 1929. October 1974 to May 1978, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by a concrete gravity dam constructed in 1904 with first diversions in 1905. The dam is primarily a diversion dam. The capacity table was revised in 1984. Capacity is a function of the riverflow and the lake elevation at the dam. No precise limits on capacity can be set, but computations indicate 50,200 acre-ft of usable storage at a lake gage height of 11.5 ft and a riverflow of 30,000 ft^3/s, and 11,200 acre-ft at a gage height of 1.5 ft and a riverflow of 500 ft^3/s. Dead storage is 8,000 acre-ft. Water is used for irrigation by canals diverting at the dam and by pumps from the reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 46,700 acre-ft June 18, 1984; maximum gage height, 11.42 ft June 28, 1979; minimum contents, 14,100 acre-ft Mar. 16, 1983, gage height, 2.09 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 45,800 acre-ft May 10, gage height, 10.56 ft; maximum gage height, 11.18 ft June 7; minimum contents, 18,900 acre-ft Dec. 11; minimum gage height, 4.04 ft Feb. 8.

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35100	30000	20200	21900	20900	24400	39500	43500	42300	38800	37400	37500
2	34200	30500	20100	22000	20600	23500	39400	43600	42300	39300	37500	37300
3	34600	30900	20200	21900	20400	25400	39700	42500	41600	39300	37700	37100
4	34100	29400	20600	21800	20100	25400	39500	43700	41200	38800	37500	36900
5	33800	29200	20500	22000	20000	24600	39400	44100	41400	39000	37400	36900
6	33500	27800	20500	22000	20200	25600	39500	44100	41700	39000	37300	36900
7	32800	26600	20200	22000	19600	28700	38500	44600	42100	38400	37800	36600
8	34000	26000	20000	22000	19000	30600	38500	45000	42400	37400	37700	36300
9	33700	25700	19900	21900	19000	31800	38300	45600	43100	37200	37500	36600
10	33400	26000	19000	21700	20100	32400	39300	45800	44200	37500	37700	37000
11	33500	25100	18900	21600	20600	32700	39700	45700	44200	38100	37800	36600
12	33200	24700	19400	21500	21200	33700	38900	45200	44300	37800	37600	36500
13	32500	25200	19800	21500	22100	34800	39700	45200	44400	38000	37700	36400
14	31700	26300	20200	21400	22500	35200	40400	45500	44400	38000	37700	36300
15	31500	24600	20300	21400	22700	30900	40600	45700	45000	37900	37700	36300
16	30600	22700	19800	21400	22800	28300	41100	45300	44900	37800	37800	36300
17	30100	21000	19500	21700	23700	26900	42000	45300	44500	37700	38000	36100
18	29600	19800	19500	21800	24600	28200	41900	45400	44200	37500	37900	36100
19	29100	19500	19600	21900	24100	29600	41800	45100	44900	37400	37800	36100
20	29000	20100	19600	21800	23100	33800	41900	44200	44900	37200	37900	36200
21	29000	19400	19700	21900	22700	39400	41600	43600	44900	37000	38200	36000
22	29500	19000	20[illegible]00	21800	22500	40000	39700	43200	44900	37300	37800	36000
23	29400	19000	20400	21700	22400	40000	41600	42700	44800	37500	37600	36200
24	28900	19500	20800	21800	22800	40000	42000	43400	43900	37600	37600	36400
25	28700	19500	21300	21800	22100	40700	41500	43600	42600	37500	37700	36400
26	28900	19500	21600	21400	21900	40800	43600	43800	41500	37200	37400	37200
27	28900	19500	21800	21800	22100	40500	43400	43600	39900	37400	37400	37500
28	28700	19900	21800	21700	24600	40100	43300	43900	39200	37100	37700	37300
29	28900	20100	21800	21600	---	39700	43000	43500	39300	36800	37400	37100
30	28900	20100	21900	21300	---	39300	43400	42500	38900	36800	37200	37100
31	29100	---	21900	21200	---	40000	---	42200	---	36800	37500	---
MEAN	31300	23600	20300	21700	21700	33100	40800	44200	42900	37800	37600	36600
MAX	35100	30900	21900	22000	24600	40800	43600	45800	45000	39300	38200	37500
MIN	28700	19000	18900	21200	19000	23500	38300	42200	38900	36800	37200	36000
(†)	9.07	4.62	5.31	5.01	5.25	9.19	10.58	10.93	10.93	10.81	11.05	10.90
(‡)	-6300	-9000	1800	-700	3400	15400	3400	-1200	-3300	-2100	700	-400

CAL YR 1985 ....(‡) -6400
WTR YR 1986 ....(‡) 1700

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13088000 SNAKE RIVER AT MILNER, ID

LOCATION.--Lat 42°31'41", long 114°01'04", in SW¼NE¼ sec. 29, T. 10 S., R. 21 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

DRAINAGE AREA.--17,180 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--May 1909 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1347: 1909-12, 1915-16, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above National Geodetic Vertical Datum of 1929. Prior to May 28, 1919, nonrecording gages at slightly different sites and datums.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir, Lake Walcott, and other reservoirs having a combined usable capacity of about 4,700,000 acre-ft. Considerable water leaks into the Snake River Plain aquifer above station. Diversions above station for irrigation of about 1,990,000 acres, of which about 504,000 acres are irrigated by withdrawals from ground water and about 436,000 acres are irrigated below station. Return flow in large part enters Snake River between Milner and King Hill stations. At times, practically entire flow is diverted during irrigation season.

COOPERATION.--Observer readings provided by Twin Falls Canal Co. and North Side Canal Co.

AVERAGE DISCHARGE.--60 years (1927-86), 2,844 ft^3/s, 2,060,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft^3/s June 21, 1918, gage height, 19.9 ft, site and datum then in use; minimum, 2 ft^3/s Mar. 17-28, 1936, Aug. 9 to Sept. 7, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,500 ft^3/s Mar. 23, gage height, 19.18 ft; minimum daily, 341 ft^3/s July 10, 11.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 6, 7, 11, 12, Nov. 15 to Feb. 17, Feb. 22-27)

4.0	341	10.0	5410
5.0	734	13.0	8950
6.0	1390	16.0	13900
8.0	3300	20.0	22400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	993	1220	4390	5490	4940	9280	20000	16800	10200	2320	356	1360
2	587	1240	4400	5520	4660	8710	19200	17000	10400	2680	501	1270
3	508	1320	4400	5550	4440	8210	19700	16300	9630	3100	397	1160
4	665	1860	4610	5570	4310	9440	19600	15500	8450	1750	710	978
5	559	2340	4500	5500	4130	9100	19500	16900	8860	2810	724	1070
6	526	2680	4740	5650	4160	8920	19400	16500	10000	2830	905	1220
7	512	2660	4640	5700	4310	10400	17800	17400	10400	2310	959	1030
8	614	2370	4420	5490	3520	12900	13700	18100	11700	684	1000	880
9	796	2250	4360	5540	3930	14500	13200	18700	13800	496	951	916
10	608	2240	3880	5390	4970	15300	13700	19200	15200	341	979	1040
11	694	2590	3450	5310	5430	15600	14800	19100	16300	341	980	1510
12	849	2360	3790	5110	6010	16100	14800	19300	16000	718	878	1120
13	1680	1540	4140	5130	6530	16900	14300	19000	16100	625	985	1010
14	1860	1990	4470	5100	7290	17400	15600	18400	16000	746	956	1130
15	1620	3940	4480	5160	7240	16500	16700	19000	16100	673	972	989
16	1490	5060	4350	5110	7230	11500	16500	19000	16800	409	980	1040
17	1500	4730	4010	5230	7670	7190	17000	18500	16300	730	1170	1080
18	1480	4210	3980	5440	8310	1760	17500	18500	15500	534	1310	971
19	1340	3480	4050	5570	8940	1750	17000	18400	15200	352	1010	1100
20	1060	3730	4090	5520	8430	4680	16800	17200	16000	348	1110	1150
21	819	3640	4130	5500	8070	15200	16800	15400	15700	347	944	1520
22	836	3460	4300	5510	7520	18900	15600	13600	16100	346	1420	1630
23	1300	3390	4540	5410	7500	19800	13900	13200	15800	346	1260	1510
24	1570	3390	4820	5400	7520	19900	14600	14600	14300	482	1330	1280
25	1230	3620	5000	5500	7430	20200	14600	15100	11100	613	1020	2080
26	1190	3730	5150	5410	7240	20300	15400	15300	9010	590	1160	3900
27	1190	3910	5380	5180	7330	20200	16800	15200	6030	468	963	4660
28	1170	4100	5420	5430	8360	20200	16800	14500	3990	496	972	5080
29	1190	4250	5450	5420	---	20200	16200	14200	3690	357	1270	5070
30	1190	4310	5560	5340	---	19900	16500	12400	2580	356	1170	5170
31	1180	---	5510	5140	---	19500	---	10500	---	356	1040	---
TOTAL	32806	91610	140410	167320	177420	430440	494000	512800	367240	29554	30382	53924
MEAN	1058	3054	4529	5397	6336	13890	16470	16540	12240	953	980	1797
MAX	1860	5060	5560	5700	8940	20300	20000	19300	16800	3100	1420	5170
MIN	508	1220	3450	5100	3520	1750	13200	10500	2580	341	356	880
AC-FT	65070	181700	278500	331900	351900	853800	979800	1017000	728400	58620	60260	107000

CAL YR 1985	TOTAL	1683093	MEAN	4611	MAX	13200	MIN	60	AC-FT	3338000
WTR YR 1986	TOTAL	2527906	MEAN	6926	MAX	20300	MIN	341	AC-FT	5014000

13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'23", long 114°20'46", in SE¼ sec. 4, T. 10 S., R. 16 E., Jerome County, Hydrologic Unit 17040212, on right bank 400 ft downstream from Devils Washbowl Spring, 0.5 mi upstream from mouth, which is 0.5 mi upstream from the Twin Falls of the Snake River, and 3.5 mi north of Kimberly.

PERIOD OF RECORD.--April 1950 to September 1959; April 1985 to current year. Records for April 1950 to September 1959 may not be comparable due to changes in inflow.

GAGE.--Water-stage recorder. Elevation of gage is 3,540 ft above National Geodetic Vertical Datum of 1929, from topographic map. Datum of gage prior to May 16, 1953, was 0.82 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Irrigation return bypass channel is located downstream from the gage on the right bank.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 27.5 ft^3/s Oct. 3, 4, 1951; minimum daily, 12 ft^3/s Jan. 26 to Mar. 9, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 19 ft^3/s Sept. 26; minimum daily, 12 ft^3/s Jan. 26 to Mar. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	15	14	12	12	14	14	13	14	16	18
2	16	16	15	14	12	12	14	14	13	15	16	17
3	16	16	15	14	12	12	14	14	13	15	16	17
4	16	16	15	14	12	12	14	14	13	15	16	17
5	16	16	15	14	12	12	14	14	13	15	16	17
6	16	16	15	14	12	12	14	14	13	15	16	18
7	16	16	15	14	12	12	14	14	14	15	16	17
8	16	16	15	14	12	12	14	14	14	15	16	18
9	16	16	15	14	12	12	14	14	14	15	16	18
10	16	16	15	13	12	13	14	14	14	15	16	18
11	16	16	15	13	12	13	14	14	14	15	16	18
12	16	16	15	13	12	13	14	14	14	15	16	18
13	16	16	15	13	12	13	14	14	14	15	16	18
14	16	16	15	13	12	13	14	14	14	15	16	18
15	16	16	15	13	12	13	14	14	14	15	16	18
16	16	15	15	13	12	13	14	13	14	15	17	18
17	16	15	15	13	12	13	14	13	14	15	17	18
18	16	15	15	13	12	13	14	13	14	16	17	18
19	16	15	14	13	12	13	14	13	14	16	17	18
20	16	15	14	13	12	13	14	13	14	16	17	18
21	16	15	14	13	12	13	14	13	14	16	17	18
22	16	15	14	13	12	13	14	13	14	16	17	18
23	16	15	14	13	12	13	14	13	14	16	17	18
24	16	15	14	13	12	13	14	13	14	16	17	18
25	16	15	14	13	12	13	14	13	14	16	17	18
26	16	15	14	12	12	13	14	13	14	16	17	19
27	16	15	14	12	12	13	15	13	14	16	17	18
28	16	15	14	12	12	14	15	13	14	16	17	18
29	16	15	14	12	---	14	14	13	15	16	17	18
30	16	15	14	12	---	14	14	13	14	16	17	18
31	16	---	14	12	---	14	---	13	---	16	18	---
TOTAL	496	465	452	406	336	398	422	418	415	478	513	536
MEAN	16.0	15.5	14.6	13.1	12.0	12.8	14.1	13.5	13.8	15.4	16.5	17.9
MAX	16	16	15	14	12	14	15	14	15	16	18	19
MIN	16	15	14	12	12	12	14	13	13	14	16	17

WTR YR 1986 TOTAL 5335 MEAN 14.6 MAX 19 MIN 12

13090000 SNAKE RIVER NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'28", long 114°21'34", in NE¼NW¼ sec. 4, T. 10 S., R. 18 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 1,200 ft downstream from Twin Falls powerplant, 2.2 mi upstream from Shoshone Falls, 4 mi north of Kimberly, and at mile 617.2.

PERIOD OF RECORD.--July 1923 to current year.

REVISED RECORDS.--WSP 1347: 1924-26, 1928-30, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 3,362.67 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Power Co.). Prior to Aug. 31, 1938, at site 2,000 ft downstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 15 to Jan. 1. Records good. Flow regulated by American Falls Reservoir 96.5 mi upstream and other reservoirs having a combined usable capacity of 4,700,000 acre-ft. Diurnal fluctuation caused by hydroelectric powerplant 1,200 ft upstream. At times practically entire flow is diverted at Milner during irrigation season; no diversions between Milner and Kimberly. Diversion above station for irrigation of about 2,020,000 acres, of which about 537,000 acres are irrigated by withdrawals from ground water and about 364,000 acres are irrigated below the station. Considerable water leaks into the Snake River Plain aquifer upstream, a small part of which returns through springs a few miles above station.

AVERAGE DISCHARGE.--63 years, 3,233 ft^3/s, 2,342,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,200 ft^3/s July 4, 1927, gage height, 14.76 ft, site and datum then in use, from rating curve extended above 20,000 ft^3/s; minimum recorded, 10 ft^3/s May 17, 1944, gage height, 1.15 ft; minimum daily recorded, 95 ft^3/s Apr. 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,300 ft^3/s Mar. 23, gage height, 19.01 ft; minimum, 530 ft^3/s July 29, gage height, 4.87 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

5.0	566	12.0	5500
6.0	894	14.0	8870
8.0	1920	16.0	13400
10.0	3440	19.0	21300

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	1670	4650	6150	5310	9510	20700	17100	10600	2830	780	1890
2	1260	1700	4660	5910	5100	9160	20000	17600	10600	2930	784	1810
3	977	1730	4660	6000	4910	8530	20400	16800	10200	3580	842	1860
4	1010	2080	4830	6010	4800	9560	20400	15600	8820	2540	874	1550
5	1090	2770	4790	5870	4670	9490	20300	17400	8980	2840	950	1580
6	997	3160	4960	6070	4640	9170	20200	17000	10300	3430	1310	1690
7	995	3230	4890	6110	4760	10300	19100	18000	10600	3080	1400	1720
8	964	2950	4730	5870	4210	12600	13900	18900	11800	1690	1440	1440
9	1150	2770	4630	5990	4190	14400	13100	19500	13500	1100	1450	1520
10	1180	2760	4520	5770	5250	15500	13400	20100	15400	836	1410	1460
11	1040	2980	4020	5640	5670	15800	14700	20000	16600	734	1470	1990
12	1210	3210	4100	5420	6160	16400	14900	20200	16400	749	1380	1800
13	1680	2090	4370	5400	6840	17500	14200	20000	16400	1200	1420	1630
14	2310	2220	4500	5380	7690	18100	15600	19300	16500	1050	1410	1650
15	2130	4140	4700	5440	7700	17500	17100	19900	16400	1200	1450	1680
16	2010	5240	4650	5400	7640	12400	16800	19800	17500	1010	1420	1510
17	1960	4960	4380	5460	7980	8690	17400	19500	16700	828	1560	1660
18	1930	4590	4300	5700	8630	2440	18300	19400	16000	1140	1790	1550
19	1870	3940	4370	5840	9400	2170	17600	19400	15300	932	1630	1550
20	1660	4090	4490	5830	8850	3390	17300	18200	16300	774	1570	1720
21	1400	4140	4580	5780	8530	14400	17300	15800	16000	762	1500	1890
22	1200	3880	4720	5790	8010	19700	16000	14100	16400	767	1740	2180
23	1470	3400	4880	5710	7890	20600	13900	13000	16200	774	1850	2210
24	2010	3820	5250	5670	7940	20700	14500	14500	14800	785	1920	1950
25	1820	4200	5500	5780	7860	20800	14700	15300	11500	987	1760	2060
26	1660	4200	5650	5460	7690	21000	15200	15400	9840	1050	1620	3920
27	1670	4240	5840	5380	7710	20900	17200	15500	6270	982	1570	4780
28	1650	4430	5950	5730	8570	20800	17400	14700	4110	926	1500	5120
29	1650	4570	6070	5700	---	20900	16600	14400	4080	932	1670	5170
30	1670	4600	6180	5700	---	20700	16900	12800	3200	839	1840	5100
31	1660	---	6130	5500	---	20200	---	10800	---	788	1610	---
TOTAL	46963	103760	151950	177460	188600	443310	505100	530000	377300	44065	44920	67640
MEAN	1515	3459	4902	5725	6736	14300	16840	17100	12580	1421	1449	2255
MAX	2310	5240	6180	6150	9400	21000	20700	20200	17500	3580	1920	5170
MIN	964	1670	4020	5380	4190	2170	13100	10800	3200	734	780	1440
AC-FT	93150	205800	301400	352000	374100	879300	1002000	1051000	748400	87400	89100	134200

CAL YR 1985 TOTAL 1852094 MEAN 5074 MAX 13900 MIN 359 AC-FT 3674000
WTR YR 1986 TOTAL 2681068 MEAN 7345 MAX 21000 MIN 734 AC-FT 5318000

13090370 FISH HATCHERY WASTE NEAR TWIN FALLS, ID

LOCATION.--Lat 42°35'30", long 114°26'10", in NW¼NE¼NW¼ sec. 2, T. 10 S., R. 17 E., Hydrologic Unit 17040212, Twin Falls County, 1.3 mi east of Perrine Bridge on Poleline Road, 3.3 mi northeast from Twin Falls, and 125 ft upstream from road crossing.

PERIOD OF RECORD.--1958-1959 (three discharge measurements, published as "Perrine Waste No. 2 near Twin Falls"; April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Many diversions upstream for fish hatchery and irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 99 ft^3/s July 24, 1986; minimum daily, 1.0 ft^3/s Apr. 12, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 99 ft^3/s July 24; minimum daily, 1.7 ft^3/s Mar. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	30	14	21	19	16	3.2	11	45	35	65	84
2	33	37	21	19	18	7.5	3.2	24	49	27	57	79
3	54	37	23	18	17	9.5	1.8	25	61	26	56	81
4	63	37	13	23	17	9.4	2.2	38	67	42	56	75
5	50	36	19	34	17	3.2	7.5	38	69	65	57	72
6	55	29	11	16	16	8.0	17	40	73	74	51	75
7	66	36	12	15	16	14	16	45	83	75	54	79
8	52	37	12	16	16	17	20	57	98	73	48	80
9	40	37	11	16	16	11	21	52	96	47	48	77
10	51	37	11	16	16	15	34	58	85	55	58	71
11	50	37	11	15	15	9.5	38	54	81	64	47	67
12	56	36	11	15	16	8.0	40	54	71	74	33	71
13	57	21	20	15	20	6.0	43	44	70	83	37	79
14	61	12	24	16	17	1.8	43	34	66	74	58	82
15	61	19	24	16	17	3.2	40	27	72	53	52	85
16	60	27	24	16	17	7.1	53	20	67	63	48	76
17	56	36	22	20	32	2.3	37	8.7	48	71	67	77
18	54	26	21	17	30	1.7	37	5.9	38	69	65	80
19	52	11	22	17	18	2.0	46	18	40	56	68	77
20	52	13	18	17	17	9.8	49	28	41	78	76	75
21	52	13	20	15	16	17	31	34	34	80	80	65
22	55	17	20	15	16	2.3	32	34	27	69	83	70
23	54	14	19	15	16	2.5	39	40	31	82	88	75
24	10	20	18	13	15	2.5	30	43	30	99	92	83
25	9.8	25	19	12	15	2.2	35	40	25	97	96	80
26	9.9	14	20	13	14	2.2	40	42	27	85	81	74
27	11	15	19	13	14	2.4	41	42	26	90	67	73
28	26	15	18	13	16	2.4	30	43	54	88	62	76
29	38	20	19	14	---	2.3	17	45	62	57	69	77
30	25	14	19	29	---	2.6	21	40	43	63	73	74
31	17	---	19	33	---	2.5	---	42	---	42	80	---
TOTAL	1367.7	758	554	543	489	202.9	867.9	1126.6	1679	2056	1972	2289
MEAN	44.1	25.3	17.9	17.5	17.5	6.55	28.9	36.3	56.0	66.3	63.6	76.3
MAX	66	37	24	34	32	17	53	58	98	99	96	85
MIN	9.8	11	11	12	14	1.7	1.8	5.9	25	26	33	65
AC-FT	2710	1500	1100	1080	970	402	1720	2230	3330	4080	3910	4540

WTR YR 1986 TOTAL 13905.1 MEAN 38.1 MAX 99 MIN 1.7 AC-FT 27580

13091000 BLUE LAKES SPRING NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", in NE¼NW¼SE¼ sec.28, T.9 S., R.17 E., Jerome County, Hydrologic Unit 17040212, on left bank at outlet of upper Blue Lake, 0.6 mi upstream from mouth, 1.2 mi northwest of Perrine Memorial Bridge, 3.5 mi north of Twin Falls, and 610.5 mi upstream from mouth of Snake River.

PERIOD OF RECORD.--April 1950 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,300 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No regulation or diversion above station.

AVERAGE DISCHARGE.--36 years, 208 ft^3/s, 150,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft^3/s Nov. 10, 11, 1951, Oct. 24 to Nov. 13, 1952, Sept. 29, 30, 1953, Oct. 23, 24, 1957; minimum daily, 154 ft^3/s May 29, 30, June 2-25, June 27 to July 9, July 14, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 215 ft^3/s Jan. 2; minimum daily, 178 ft^3/s Mar. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	201	200	213	200	182	182	181	186	192	199	210
2	200	200	200	215	200	181	183	181	187	193	200	210
3	201	200	204	211	200	181	182	181	187	193	200	210
4	200	200	204	210	197	181	181	181	188	194	199	210
5	200	200	204	203	196	181	181	181	187	193	196	210
6	200	200	203	208	196	181	181	182	187	193	196	210
7	200	200	200	210	196	181	181	184	187	194	196	210
8	203	202	204	210	192	181	181	184	185	196	196	210
9	204	203	204	210	190	181	181	184	185	193	199	210
10	204	202	203	210	190	181	181	184	186	193	200	210
11	204	200	200	210	190	181	181	184	187	193	202	210
12	204	200	200	213	189	181	181	184	187	193	204	210
13	204	200	203	211	187	181	181	183	187	193	204	210
14	204	200	200	211	187	181	181	184	187	193	204	210
15	204	200	200	210	187	181	181	184	187	195	204	210
16	204	200	200	210	188	180	181	184	188	196	204	210
17	207	200	200	210	189	180	181	184	190	196	204	210
18	207	200	204	209	190	179	181	184	190	196	204	210
19	207	200	204	207	190	179	181	185	190	196	207	212
20	207	200	204	207	190	178	181	187	190	196	207	214
21	207	200	204	207	187	178	181	187	190	198	207	214
22	207	200	204	206	187	181	181	186	190	198	207	214
23	204	200	207	207	186	181	181	184	190	196	207	213
24	204	200	207	207	185	181	181	184	190	196	207	214
25	203	200	207	207	184	182	181	184	190	196	207	214
26	200	200	207	206	184	182	180	184	190	196	207	214
27	203	200	207	202	184	182	179	184	190	196	207	214
28	204	201	210	200	184	181	179	184	190	196	208	214
29	204	200	210	201	---	181	180	184	192	196	210	214
30	204	200	210	200	---	181	181	184	193	196	210	214
31	204	---	210	200	---	181	---	185	---	197	210	---
TOTAL	6308	6009	6324	6446	5325	5603	5428	5696	5653	6042	6312	6345
MEAN	203	200	204	208	190	181	181	184	188	195	204	212
MAX	207	203	210	215	200	182	183	187	193	198	210	214
MIN	200	200	200	200	184	178	179	181	185	192	196	210
AC-FT	12510	11920	12540	12790	10560	11110	10770	11300	11210	11980	12520	12590

CAL YR 1985	TOTAL	69493	MEAN	190	MAX	210	MIN	175	AC-FT 137800
WTR YR 1986	TOTAL	71491	MEAN	196	MAX	215	MIN	178	AC-FT 141800

13093000 ROCK CREEK BELOW POLELINE ROAD, NEAR TWIN FALLS, ID

LOCATION.--Lat 42°35'40", long 114°31'46", in SW¼SE¼SW¼ sec. 36, T.8 S., R.16 E., Twin Falls County, Hydrologic Unit 17040212, on left bank, 420 ft downstream of Poleline Road bridge, 3 mi upstream from mouth, and 4 mi northwest of Twin Falls.

DRAINAGE AREA.--277 mi^2.

PERIOD OF RECORD.--July 1922 to September 1947, March 1983 to current year. Monthly and yearly discharge published 1922 to 1947 in WSP 1317. Published as "Rock Creek near mouth, near Twin Falls" (sta 13093095) at site 2 mi downstream July 1975 to December 1982. Records equivalent except during irrigation season when irrigation-return flow may be significant.

GAGE.--Water-stage recorder. Elevation of gage is 3,500 ft (by barometer). Prior to July 31, 1922, staff gage, and July 31, 1922, to Sept. 30, 1947, water-stage recorder 100 to 300 ft upstream at various sites and different datums.

REMARKS.--Estimated daily discharges: Nov. 4 to Dec. 5, Dec. 26-28, Feb. 22-27. Records good except for estimated daily discharges, which are fair. Flow partially regulated by many diversions upstream for irrigation and irrigation-return flows.

AVERAGE DISCHARGE.--27 years (1923-46, 1984-86), 214 ft^3/s, 155,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 984 ft^3/s Sept. 21, 1927, gage height, 4.5 ft, from floodmarks, datum then in use; minimum, 63 ft^3/s Jan. 30, 31, and Feb. 9, 1985, gage height, 8.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 599 ft^3/s Jan. 17, gage height, 10.40 ft; minimum, 94 ft^3/s Jan. 8, 12, gage height, 8.93 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 26-28)

8.9	89	9.6	230
9.1	123	9.9	327
9.3	160	10.2	470
		10.4	599

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	331	351	171	123	151	324	284	240	214	239	257	309
2	335	354	180	123	151	300	276	245	220	279	265	324
3	330	346	186	122	154	294	270	254	227	263	306	313
4	315	335	172	117	148	292	272	271	247	255	298	341
5	317	306	163	119	144	288	280	290	310	256	287	355
6	330	297	155	119	140	275	280	281	269	252	286	360
7	349	288	157	114	137	264	276	287	327	281	267	381
8	321	279	161	110	133	272	257	294	378	270	270	406
9	335	271	157	113	123	286	261	282	348	271	255	395
10	331	272	150	113	132	290	266	268	325	252	260	394
11	313	269	141	113	128	288	270	262	315	255	257	402
12	297	258	134	112	131	291	285	256	304	250	250	411
13	297	245	136	115	155	280	293	245	284	261	254	403
14	308	234	138	115	153	210	275	233	287	263	258	427
15	330	230	135	118	156	200	265	236	296	247	263	435
16	323	237	132	127	189	190	254	232	295	233	271	443
17	320	233	131	407	282	183	240	232	298	233	279	438
18	318	228	129	297	428	169	229	238	265	249	262	449
19	316	224	128	215	455	160	231	234	242	249	254	468
20	318	219	127	187	454	152	232	242	235	260	270	469
21	318	211	124	183	386	149	235	268	229	263	288	465
22	321	204	120	166	392	149	277	290	220	262	293	466
23	323	200	120	168	399	151	306	301	220	267	300	470
24	312	201	118	160	421	155	327	276	220	285	307	467
25	307	192	116	142	406	160	309	246	219	294	297	464
26	305	183	116	136	407	154	304	244	227	312	327	455
27	305	184	115	134	412	160	314	247	234	316	299	446
28	300	186	114	133	360	172	300	234	235	306	314	431
29	309	188	115	134	---	203	269	216	230	281	322	419
30	361	176	117	151	---	251	242	205	227	260	306	434
31	359	---	115	150	---	307	---	212	---	262	298	---
TOTAL	9952	7401	4273	4636	7127	7019	8179	7861	7947	8226	8720	12440
MEAN	321	247	138	150	255	226	273	254	265	265	281	415
MAX	361	354	186	407	455	324	327	301	378	316	327	470
MIN	297	176	114	110	123	149	229	205	214	233	250	309
AC-FT	19740	14680	8480	9200	14140	13920	16220	15590	15760	16320	17300	24670

CAL YR 1985	TOTAL	79069	MEAN	217	MAX	415	MIN	79	AC-FT	156800
WTR YR 1986	TOTAL	93761	MEAN	257	MAX	470	MIN	110	AC-FT	186000

13093550 CEDAR DRAW NEAR FILER, ID

LOCATION.--Lat 42°39'10", long 114°39'16", in SE¼SE¼SE¼ sec. 11, T. 9 S., R. 15 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 0.05 mi southwest from county road, 0.9 mi upstream from mouth, and 6.5 mi northwest of Filer.

PERIOD OF RECORD.--April 1985 to current year. Records for July 1955 to July 1958 at site 2.75 mi upstream (sta 13093500) are not equivalent due to inflow between sites.

GAGE.--Water-stage recorder. Elevation of gage is 3,035 ft above National Geodetic Vertical Datum of 1929, from topographic map, April 1985 to Mar. 21, 1986, at site 600 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 10 to Jan. 27, June 15-27, July 8-30. Records fair except for period of estimated record, which is poor. Numerous regulations by powerplant upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 425 ft^3/s Sept. 9, 1985, gage height, 4.25 ft, site and datum then in use; minimum, 18 ft^3/s Mar. 22, Sept. 13, minimum gage height, 4.90 ft Mar. 22, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 396 ft^3/s Sept. 15 and 16, gage height, 6.49 ft; minimum, 18 ft^3/s Mar. 22, gage height, 4.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	195	56	46	51	52	137	205	165	87	148	207
2	286	209	60	48	48	50	44	201	165	114	134	214
3	285	208	61	48	48	49	88	193	168	94	122	205
4	278	206	56	46	47	49	185	212	180	104	111	223
5	283	201	55	47	48	49	157	217	221	132	110	221
6	298	215	55	47	47	50	122	235	226	162	104	218
7	310	236	57	46	46	50	138	244	231	155	103	220
8	325	219	59	44	46	53	163	256	287	150	103	235
9	323	229	56	45	46	51	163	256	304	165	102	242
10	299	216	55	45	46	52	139	259	285	155	104	250
11	286	218	53	45	47	50	146	270	273	160	94	62
12	275	216	52	45	47	52	156	270	225	165	90	29
13	277	217	52	46	57	51	177	242	179	155	103	364
14	280	195	50	46	48	49	177	222	135	165	102	380
15	285	201	50	47	49	50	186	214	140	160	104	390
16	285	182	50	52	48	51	208	208	155	155	99	384
17	278	104	49	60	64	49	213	195	120	160	106	326
18	275	68	48	62	66	48	196	165	90	160	108	335
19	275	65	47	56	56	47	192	149	105	155	105	327
20	279	64	46	56	54	48	208	112	95	155	112	334
21	282	60	46	52	52	46	205	158	90	155	125	340
22	295	61	47	48	53	49	183	188	85	150	153	332
23	306	62	47	56	53	46	195	186	80	155	158	334
24	288	63	47	52	51	45	208	190	65	160	164	342
25	286	61	48	48	51	45	222	168	50	165	176	342
26	283	59	45	47	51	44	239	187	55	165	182	348
27	283	58	44	45	51	43	250	176	65	160	171	333
28	281	61	44	45	53	42	238	136	39	170	176	328
29	275	60	43	45	---	41	219	147	57	170	200	318
30	241	58	44	71	---	150	215	156	57	165	198	316
31	188	---	44	63	---	147	---	156	---	150	201	---
TOTAL	8781	4265	1564	1549	1424	1698	5369	6173	4390	4673	4068	8499
MEAN	283	142	50.5	50.0	50.9	54.8	179	199	146	151	131	283
MAX	325	236	61	71	66	150	250	270	304	170	201	390
MIN	188	58	43	44	46	41	44	112	39	87	90	29
AC-FT	17420	8460	3100	3070	2820	3370	10650	12240	8710	9270	8070	16860

WTR YR 1986 TOTAL 52453 MEAN 144 MAX 390 MIN 29 AC-FT 104000

13084000 SNAKE RIVER NEAR BUHL, ID

LOCATION.--Lat 42°39'58", long 114°42'41", in NW¼NW¼ sec.9, T.9 S., R.15 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 2 mi downstream from Niagara Springs, 3.8 mi upstream from outlet of Clear Lakes, 6 mi northeast of Buhl, and at mile 596.8.

PERIOD OF RECORD.--December 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,951.9 ft above National Geodetic Vertical Datum of 1929 (stadia levels). Dec. 12, 1946, to July 13, 1965, at datum 1.00 ft higher. Prior to Jan. 17, 1947, nonrecording gage 40 ft upstream.

REMARKS.--Estimated daily discharges: Dec. 19 to Jan. 14. Records good. Flow regulated by American Falls Reservoir 116.8 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. No diversions except by small ranch ditches between this station and station at Milner, where at times practically entire flow is diverted during irrigation seasons. Diversions above station for irrigation of about 2,030,000 acres, of which about 542,000 acres are irrigated by withdrawals from ground water and about 230,000 acres are irrigated below station. In addition, about 26,000 acres are irrigated above station by diversions from Salmon Falls Creek. Considerable water leaks into the Snake River Plain aquifer upstream, some of which returns above the station.

AVERAGE DISCHARGE.--39 years, 5,520 ft^3/s, 3,999,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft^3/s June 14, 1984, gage height, 11.90 ft; minimum, 1,580 ft^3/s Mar. 28, 1963, gage height, 0.83 ft (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,900 ft^3/s Mar. 24, May 10, gage height, 10.98 ft; minimum, 2,570 ft^3/s July 12, gage height, 2.21 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

2.0	2380	6.0	8500
3.0	3410	8.0	13400
4.0	4760	10.0	19000
		11.0	22000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3880	3700	6360	7860	7110	11000	21700	18200	12200	4500	2680	3790
2	3740	3740	6460	7900	6860	11000	20900	18700	12100	4440	2690	4000
3	3400	3740	6440	8030	6610	10300	21300	18100	12200	5130	2690	3930
4	3240	3860	6530	7970	6450	10800	21400	17300	10800	4740	2790	3830
5	3340	4610	6620	7740	6310	11300	21300	17900	10900	4200	2780	3710
6	3340	5050	6640	8000	6170	10800	21200	18600	11900	5380	2930	3780
7	3380	5350	6730	8040	6280	11500	20700	18800	12600	5060	3120	3950
8	3380	5100	6560	7630	6010	13500	15800	20000	13700	4260	3190	3870
9	3390	4810	6360	7910	5430	15200	14500	20700	14900	3120	3220	3750
10	3530	4760	6290	7720	6580	16400	14400	21400	17000	2860	3180	3810
11	3390	4770	5770	7510	7250	16800	15700	21300	17900	2590	3220	4020
12	3350	5620	5590	7340	7640	17200	16300	21400	18100	2590	3190	4380
13	3510	4150	5920	7300	8480	18100	15700	21200	17800	2770	3110	4060
14	4310	3930	6210	7250	9160	18800	16400	20400	17900	3010	3210	4000
15	4350	5460	6470	7300	9400	18700	17900	20800	17700	2940	3210	4150
16	4190	7320	6360	7120	9300	14900	18200	20600	18700	2940	3210	4010
17	4070	7080	6270	7340	9580	10900	18400	20600	18200	2830	3280	3970
18	4050	6670	6080	7620	10500	5200	19100	20200	17500	2820	3470	4030
19	4010	5790	6400	7680	11200	3480	18900	20300	16500	2910	3520	3940
20	3900	5660	6550	7680	10800	3550	18400	19300	17500	2770	3300	4090
21	3690	5930	6650	7560	10400	12700	18400	17400	17300	2700	3460	4160
22	3530	5570	6830	7580	9990	19900	17600	15900	17500	2650	3370	4490
23	3540	5140	7040	7530	9700	21100	15700	14300	17500	2730	3840	4580
24	3910	5250	7230	7440	9790	21600	15700	15500	16600	2750	3790	4480
25	4050	5840	7370	7460	9780	21500	16300	16500	13700	2830	3870	4350
26	3810	5930	7550	7430	9610	21700	16200	16600	12100	3040	3580	5740
27	3770	5890	7760	7340	9560	21700	18300	16600	8910	3070	3630	7410
28	3760	6130	7880	7400	10100	21600	18700	16000	6520	2990	3460	7780
29	3730	6290	7950	7390	---	21700	18000	15600	5840	2900	3550	7890
30	3770	6370	8010	7550	---	21600	17900	14600	5200	2780	3860	7800
31	3710	---	7980	7350	---	21100	---	12600	---	2660	3790	---
TOTAL	115020	159510	208890	234980	236250	475630	541000	567400	427270	102960	102200	137750
MEAN	3710	5317	6738	7580	8438	15340	18030	18300	14240	3321	3297	4592
MAX	4350	7320	8010	8040	11200	21700	21700	21400	18700	5380	3870	7890
MIN	3240	3700	5590	7120	5430	3480	14400	12600	5200	2590	2680	3710
AC-FT	228100	316400	414300	466100	468600	943400	1073000	1125000	847500	204200	202700	273200

CAL YR 1985 TOTAL 2484400 MEAN 6807 MAX 15300 MIN 2030 AC-FT 4928000
WTR YR 1986 TOTAL 3308870 MEAN 9065 MAX 21700 MIN 2590 AC-FT 6563000

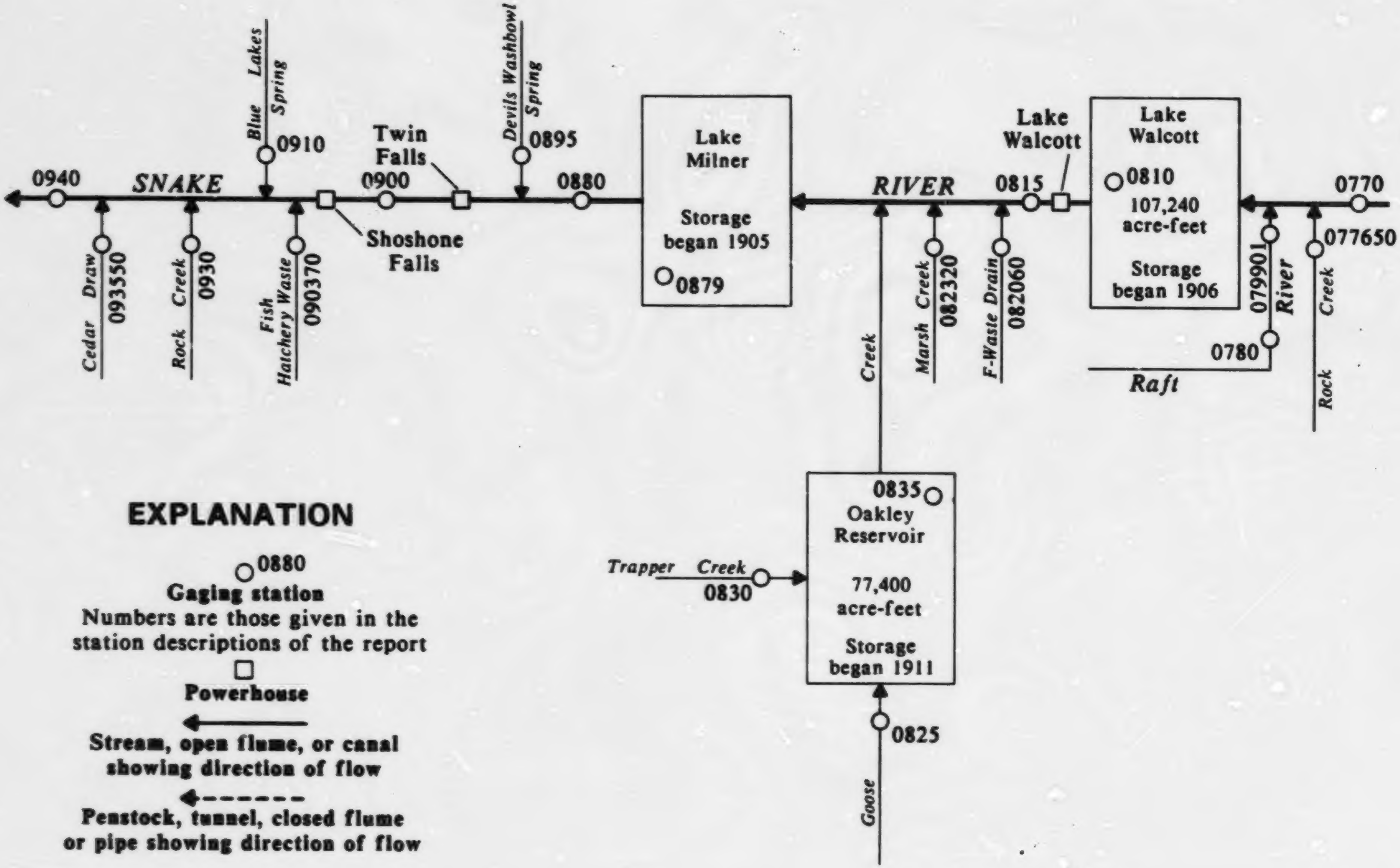
0940
SNAKE
RIVER
Blue Lakes Spring
0910
Twin Falls
0900
Devils Washbowl Spring
0895
0880
Lake Milner
Storage began 1905
0879
0815
Lake Walcott
Lake Walcott
0810
107,240 acre-feet
Storage began 1906
0770
Cedar Draw
093550
Rock Creek
0930
Fish Hatchery Waste
090370
Shoshone Falls
Creek
Marsh Creek
082320
F-Waste Drain
082060
River
079901
0780
Raft
077650
Rock Creek
0835
Oakley Reservoir
77,400 acre-feet
Storage began 1911
Trapper Creek
0830
0825
Goose
EXPLANATION
0880
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 18.--Gaging stations in Snake River basin between Snake River at Neeley and Snake River near Buhl.

13094700 MUD CREEK NEAR BUHL, ID

LOCATION.--Lat 42°39'34", long 114°47'16", in SE¼SW¼NW¼ sec.11, T.9 S., R.14 E., Twin Falls County, Hydrologic Unit 17040212, on right bank upstream from county road, 1 mi upstream from mouth, and 4 mi northwest of Buhl.

PERIOD OF RECORD.--September 1958 to August 1959 (gage heights and discharge measurements only), at site 0.5 mi downstream; April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,950 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Many diversions above gage for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 328 ft^3/s Sept. 8, 1985, gage height, 6.30 ft; minimum daily, 37 ft^3/s May 1, 2, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 264 ft^3/s Feb. 18, gage height, 6.10 ft; minimum daily, 52 ft^3/s Mar. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	101	79	65	81	77	55	68	88	76	98	140
2	150	97	86	68	77	75	54	65	91	79	102	140
3	145	98	89	68	77	72	58	62	93	79	102	137
4	143	97	81	65	73	73	58	69	95	85	99	145
5	142	95	79	67	74	71	53	81	113	93	100	139
6	143	93	77	67	72	71	54	88	102	90	98	140
7	160	93	79	64	70	74	57	98	126	90	93	145
8	146	93	81	63	68	80	61	93	134	83	93	156
9	141	96	78	65	68	76	59	96	122	86	94	165
10	138	96	76	64	67	76	62	102	116	89	97	157
11	138	93	73	64	67	74	65	100	117	92	96	147
12	134	87	71	64	72	73	67	95	114	96	85	150
13	139	83	71	63	112	74	69	93	106	91	82	149
14	144	79	69	64	83	71	70	88	100	86	93	155
15	140	82	70	65	80	71	63	86	95	84	96	156
16	137	89	69	72	75	73	65	79	92	92	97	148
17	132	87	67	84	108	69	68	73	83	97	97	145
18	128	84	66	85	120	66	66	75	76	102	96	146
19	128	85	65	79	93	64	60	77	75	100	102	148
20	129	87	64	79	85	64	59	80	73	98	107	150
21	128	86	64	72	81	64	54	90	74	99	105	147
22	126	85	65	67	84	64	53	95	79	95	108	145
23	129	83	65	77	86	63	60	98	79	97	120	146
24	124	86	65	72	80	62	69	96	75	100	126	155
25	122	86	64	67	78	60	71	99	73	108	121	153
26	119	81	63	65	76	60	76	98	77	108	122	161
27	119	81	63	65	75	58	80	90	72	107	119	156
28	113	85	63	65	76	55	73	90	70	109	121	147
29	110	87	62	76	---	56	65	87	74	106	132	143
30	113	82	63	106	---	56	69	88	77	101	134	149
31	112	---	63	99	---	52	---	86	---	104	136	---
TOTAL	4124	2657	2190	2206	2258	2094	1893	2685	2761	2922	3271	4460
MEAN	133	88.6	70.6	71.2	80.6	67.5	63.1	86.6	92.0	94.3	106	149
MAX	160	101	89	106	120	80	80	102	134	109	136	165
MIN	110	79	62	63	67	52	53	62	70	76	82	137
AC-FT	8180	5270	4340	4380	4480	4150	3750	5330	5480	5800	6490	8850

WTR YR 1986 TOTAL 33521 MEAN 91.8 MAX 165 MIN 52 AC-FT 66490

13095050 DEEP CREEK AT MOUTH, NEAR BUHL, ID

LOCATION.--Lat 42°39'30", long 114°48'30", in NW¼NW¼SW¼ sec. 10, T.9 S., Twin Falls County, Hydrologic Unit 17040212, on right bank 0.2 mi upstream from mouth, and 5.0 mi northwest of Buhl.

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,910 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Oct. 24, Nov. 17 to Dec. 4, Mar. 2-26, June 25-27. Records fair except for estimated daily records, which are poor.

EXTREMES FOR CURRENT PERIOD.--August to September 1985: Maximum daily discharge during period, 229 ft^3/s Sept. 18; minimum daily, 29 ft^3/s Aug. 8.

Water Year 1986: Maximum daily discharge, 281 ft^3/s Oct. 5; minimum daily, 17 ft^3/s Mar. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											44	60
2											35	71
3											37	69
4											33	89
5											31	70
6											34	69
7											31	81
8											29	108
9											32	168
10											48	200
11											54	187
12											78	204
13											61	225
14											53	214
15											59	197
16											48	191
17											41	198
18											43	229
19											46	224
20											41	213
21											32	224
22											33	213
23											39	206
24											45	209
25											49	208
26											50	221
27											41	190
28											42	197
29											43	208
30											47	221
31											47	---
TOTAL											1346	5164
MEAN											43.4	172
MAX											78	229
MIN											29	60

13095050 DEEP CREEK AT MOUTH, NEAR BUHL, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	279	246	33	29	43	22	21	73	71	40	70	110
2	234	221	35	28	32	21	28	62	78	33	67	122
3	211	170	36	29	29	20	89	54	78	33	59	130
4	265	153	34	28	27	20	123	66	81	38	66	134
5	281	161	32	29	30	20	45	81	124	60	58	121
6	240	175	31	29	29	21	76	61	108	60	58	137
7	231	151	33	29	23	21	63	73	156	63	52	146
8	269	123	33	29	22	22	59	84	186	55	44	162
9	249	106	32	30	22	21	60	76	142	69	41	195
10	220	105	31	30	22	21	108	67	140	77	41	209
11	195	91	30	30	22	20	162	79	125	74	43	206
12	203	93	29	29	23	20	165	66	114	86	60	197
13	218	98	29	29	28	20	176	62	86	96	72	188
14	229	102	29	30	25	20	190	59	92	96	57	185
15	210	92	29	29	27	20	143	54	107	55	47	205
16	199	95	29	30	27	21	125	54	104	47	45	215
17	195	50	28	33	43	20	127	49	85	48	46	233
18	190	50	29	42	59	19	108	46	59	48	47	219
19	190	37	28	41	38	19	111	44	56	41	49	191
20	192	37	29	85	34	19	115	45	54	42	57	220
21	199	35	30	48	32	19	117	55	53	48	63	200
22	220	35	29	26	33	20	46	64	55	43	58	188
23	244	36	30	33	43	19	37	70	53	51	61	208
24	220	37	29	32	68	18	41	65	52	73	70	211
25	190	36	29	31	62	18	58	96	48	90	79	223
26	194	35	29	30	75	18	49	89	50	97	73	248
27	200	35	28	30	62	17	77	59	38	86	70	264
28	197	36	28	30	32	20	100	67	34	88	77	224
29	211	35	28	30	---	21	57	75	46	89	83	212
30	193	34	28	43	---	20	69	73	52	89	87	217
31	225	---	27	91	---	21	---	66	---	86	92	---
TOTAL	6793	2710	934	1092	1012	618	2745	2034	2527	2001	1892	5720
MEAN	219	90.3	30.1	35.2	36.1	19.9	91.5	65.6	84.2	64.5	61.0	191
MAX	281	246	36	91	75	22	190	96	186	97	92	264
MIN	190	34	27	26	22	17	21	44	34	33	41	110

WTR YR 1986 TOTAL 30078 MEAN 82.4 MAX 281 MIN 17

13095500 BOX CANYON SPRINGS NEAR WENDELL, ID

LOCATION.--Lat 42°42'29", long 114°48'35", in SW¼NW¼NW¼ sec. 28, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, on left bank 150 ft downstream from waterfall, at mile 0.5, 0.8 mi downstream from source, 7.5 mi southwest of Wendell, and 588.8 mi upstream from mouth of Snake River.

PERIOD OF RECORD.--April 1950 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,950 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No regulation or surface diversion above station. Discharge affected by variable surface waste from irrigation, which flows over rimrocks into springs above station.

AVERAGE DISCHARGE.--36 years, 399 ft^3/s, 289,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 483 ft^3/s Oct. 9, 14, 15, 18, 19, 1965; minimum daily, 340 ft^3/s Mar. 27, Apr. 22, 23, May 1, 5, 10, 11, 13, 18, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 415 ft^3/s Oct. 8, 9; minimum daily, 361 ft^3/s May 4 to June 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	411	411	397	387	375	371	367	363	361	365	381	400
2	411	411	397	384	375	371	367	363	361	367	381	401
3	411	409	397	383	375	371	367	363	361	369	382	401
4	411	407	396	383	375	369	367	361	361	370	383	401
5	411	407	395	383	375	369	367	361	361	371	383	401
6	411	407	395	383	374	369	367	361	361	371	383	401
7	412	407	395	383	373	369	367	361	362	371	384	401
8	415	405	395	381	373	369	367	361	365	371	385	401
9	415	405	394	379	373	369	364	361	365	371	385	402
10	412	405	393	379	371	369	363	361	365	371	385	405
11	411	405	393	379	371	369	363	361	365	371	385	405
12	414	405	393	379	371	369	363	361	365	372	385	405
13	413	405	393	379	371	369	363	361	365	373	385	405
14	413	403	393	379	371	369	363	361	365	373	385	405
15	413	401	393	379	371	369	363	361	365	373	385	405
16	413	401	393	379	371	369	363	361	365	373	385	405
17	413	401	393	379	371	369	363	361	365	375	385	406
18	413	401	393	379	371	369	363	361	365	375	385	409
19	413	401	393	379	371	369	363	361	365	375	385	409
20	413	401	393	379	371	369	363	361	365	375	385	409
21	413	401	393	377	371	369	363	361	365	375	385	409
22	413	401	393	377	371	369	363	361	365	379	388	409
23	413	401	393	377	371	369	363	361	365	379	389	409
24	412	401	393	377	371	369	363	361	365	379	391	411
25	411	401	393	375	371	369	363	361	365	379	393	413
26	411	401	393	375	371	369	363	361	365	379	393	413
27	411	401	393	375	371	368	363	361	365	380	393	413
28	411	401	393	375	371	367	363	361	365	381	393	413
29	411	401	393	375	---	367	363	361	365	381	393	413
30	411	399	393	375	---	367	363	361	365	381	396	413
31	411	---	393	375	---	367	---	361	---	381	398	---
TOTAL	12777	12106	12207	11748	10417	11436	10923	11197	10923	11606	11994	12193
MEAN	412	404	394	379	372	369	364	361	364	374	387	406
MAX	415	411	397	387	375	371	367	363	365	381	398	413
MIN	411	399	393	375	371	367	363	361	361	365	381	400
AC-FT	25340	24010	24210	23300	20660	22680	21670	22210	21670	23020	23790	24180

CAL YR 1985 TOTAL 138923 MEAN 381 MAX 415 MIN 353 AC-FT 275600
WTR YR 1986 TOTAL 139527 MEAN 382 MAX 415 MIN 361 AC-FT 276800

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'40", long 114°41'15", in NE¼SW¼ sec. 23, T. 47 N., R. 64 E., Elko County, Hydrologic Unit 17040213, on right bank in canyon, 630 ft downstream from bridge on U.S. Highway 93, 550 ft downstream from Shoshone Creek, and 5 mi north of San Jacinto.

DRAINAGE AREA.--1,450 mi^2, approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as "Salmon Falls River."

REVISED RECORDS.--WSP 1934: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,120 ft, by barometer. Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910, to Sept. 30, 1916, Oct. 1, 1918, to Aug. 28, 1964, water-stage recorder at site 35 ft upstream at same datum.

REMARKS.--Estimated daily discharges: Nov. 12-15, 21. Records good. Diversions above station for irrigation of about 18,200 acres (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi downstream (see sta 13106500).

AVERAGE DISCHARGE.--74 years (1911-16, 1919-86), 147 ft^3/s, 106,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,860 ft^3/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft^3/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft^3/s Feb. 19, gage height, 9.50 ft; minimum daily, 21.0 ft^3/s Aug. 15-17.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 28 to Sept. 9; stage-discharge relation
affected by ice Nov. 12-15, 21)

4.1	19	5.5	164
4.4	32	6.0	265
4.7	51	7.0	525
5.0	84	9.0	1230

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	64	72	62	100	649	632	393	600	73	37	32
2	55	63	77	64	105	648	637	394	588	67	40	34
3	55	63	78	65	108	682	603	401	542	61	37	34
4	55	63	77	61	102	674	583	447	503	59	36	33
5	55	63	75	67	96	651	549	521	556	57	35	30
6	56	62	72	73	88	647	534	524	523	57	34	29
7	58	62	73	65	81	649	538	504	482	58	33	29
8	61	65	78	60	81	664	571	504	535	54	33	31
9	60	66	76	63	69	802	621	478	469	51	32	36
10	60	65	68	67	78	797	585	448	403	52	31	48
11	59	64	46	66	83	707	555	453	363	54	31	49
12	60	58	44	63	80	636	540	431	339	50	29	44
13	60	54	54	64	82	583	542	411	327	47	23	43
14	59	58	65	62	88	519	530	408	300	44	22	46
15	60	62	62	63	110	474	510	401	277	42	21	48
16	60	66	62	71	354	447	487	398	262	41	21	48
17	59	68	61	82	404	444	468	377	241	40	21	48
18	58	67	63	92	901	398	444	361	209	39	22	48
19	57	51	63	93	1110	368	417	359	183	38	23	56
20	58	59	62	93	743	350	397	370	175	37	23	63
21	58	54	60	85	578	337	404	404	162	34	25	62
22	60	56	54	80	455	334	450	467	143	33	25	59
23	62	53	53	78	420	344	507	448	128	35	25	57
24	62	68	55	78	521	366	539	424	111	37	26	58
25	61	77	56	73	629	396	513	401	102	41	24	59
26	61	75	55	73	673	392	509	404	98	43	24	58
27	62	71	51	74	715	397	484	438	94	45	25	61
28	62	74	49	79	673	433	463	495	90	48	28	62
29	61	74	54	80	---	495	437	517	82	43	29	62
30	62	73	55	84	---	554	409	522	76	38	31	64
31	63	---	61	95	---	609	---	541	---	37	31	---
TOTAL	1834	1918	1931	2275	9527	16446	15458	13644	8963	1455	877	1431
MEAN	59.2	63.9	62.3	73.4	340	531	515	440	299	46.9	28.3	47.7
MAX	63	77	78	95	1110	802	637	541	600	73	40	64
MIN	55	51	44	60	69	334	397	359	76	33	21	29
AC-FT	3640	3800	3830	4510	18900	32620	30660	27060	17780	2890	1740	2840

CAL YR 1985 TOTAL 60310 MEAN 165 MAX 1130 MIN 18 AC-FT 119600
WTR YR 1986 TOTAL 75759 MEAN 208 MAX 1110 MIN 21 AC-FT 150300

13106000 SALMON RIVER CANAL CO. CANAL NEAR ROGERSON, ID

LOCATION.--Lat 42°13'10", long 114°44'20", in SE¼NW¼SE¼ sec.7, T.14 S., R.15 E., Twin Falls County, Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, on left bank 0.5 mi downstream from Salmon River Canal Co. reservoir, and 7 mi west of Rogerson.

PERIOD OF RECORD.--April 1937 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft, by barometer. Oct. 1, 1953, to Sept. 30, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Canal diverts from Salmon River Canal Co. reservoir (see sta 13106500) for irrigation of land in the Salmon River Canal Co. project.

AVERAGE DISCHARGE.--49 years, 109 ft^3/s, 79,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 660 ft^3/s July 21-24, 1944; no flow for long periods in each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	214	491	499	315	196
2	.00	.00	.00	.00	.00	.00	.00	228	501	508	315	.00
3	.00	.00	.00	.00	.00	.00	.00	273	498	518	315	.00
4	.00	.00	.00	.00	.00	.00	.00	306	492	528	314	.00
5	.00	.00	.00	.00	.00	.00	.00	345	481	517	322	.00
6	.00	.00	.00	.00	.00	.00	.00	336	408	498	325	.00
7	.00	.00	.00	.00	.00	.00	.00	321	394	491	332	.00
8	.00	.00	.00	.00	.00	.00	.00	300	344	476	335	.00
9	.00	.00	.00	.00	.00	.00	.00	255	320	471	341	.00
10	.00	.00	.00	.00	.00	.00	.00	264	215	459	341	.00
11	.00	.00	.00	.00	.00	.00	.00	266	215	455	340	.00
12	.00	.00	.00	.00	.00	.00	.00	265	208	443	346	.00
13	.00	.00	.00	.00	.00	.00	.00	255	221	448	361	.00
14	.00	.00	.00	.00	.00	.00	.00	259	273	463	360	.00
15	.00	.00	.00	.00	.00	.00	.00	275	280	473	360	.00
16	.00	.00	.00	.00	.00	.00	.00	283	322	492	359	.00
17	.00	.00	.00	.00	.00	.00	.00	326	344	476	355	.00
18	.00	.00	.00	.00	.00	.00	.00	350	399	437	353	.00
19	.00	.00	.00	.00	.00	.00	.00	412	396	436	345	.00
20	.00	.00	.00	.00	.00	.00	.00	423	416	434	339	.00
21	.00	.00	.00	.00	.00	.00	.00	483	409	433	327	.00
22	.00	.00	.00	.00	.00	.00	.00	467	405	432	327	.00
23	.00	.00	.00	.00	.00	.00	.00	436	417	428	326	.00
24	.00	.00	.00	.00	.00	.00	.00	437	434	417	327	.00
25	.00	.00	.00	.00	.00	.00	.00	425	443	403	329	.00
26	.00	.00	.00	.00	.00	.00	.00	432	482	363	328	.00
27	.00	.00	.00	.00	.00	.00	.00	434	489	360	326	.00
28	.00	.00	.00	.00	.00	.00	128	447	512	327	312	.00
29	.00	.00	.00	.00	---	.00	205	479	502	323	300	.00
30	.00	.00	.00	.00	---	.00	211	475	496	310	296	.00
31	.00	---	.00	.00	---	.00	---	486	---	312	287	---
TOTAL	.00	.00	.00	.00	.00	.00	544.00	10957	11807	13630	10258	196.00
MEAN	.00	.00	.00	.00	.00	.00	18.1	353	394	440	331	6.53
MAX	.00	.00	.00	.00	.00	.00	211	486	512	528	361	196
MIN	.00	.00	.00	.00	.00	.00	.00	214	208	310	287	.00
AC-FT	.00	.00	.00	.00	.00	.00	1080	21730	23420	27040	20350	389

CAL YR 1985 TOTAL 53398.00 MEAN 146 MAX 576 MIN .00 AC-FT 105900
WTR YR 1986 TOTAL 47392.00 MEAN 130 MAX 528 MIN .00 AC-FT 94000

13106500 SALMON RIVER CANAL CO. RESERVOIR NEAR ROGERSON, ID

LOCATION.--Lat 42°12'40", long 114°44'00", in NE¼ sec.18, T. 14 S., R. 15 E., Twin Falls County, Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, at Salmon Falls Dam on Salmon Falls Creek, 7.5 mi west of Rogerson, and at mile 46.0.

DRAINAGE AREA.--1,610 mi^2, approximately.

PERIOD OF RECORD.--January 1922 to current year.

GAGE.--Nonrecording gage. Datum of gage is 4,945.8 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam completed in 1911; storage began in 1910. Usable capacity, 182,650 acre-ft between gage heights 0.0 (bottom of outlet tunnel) and 80.0 ft, maximum operating level. Dead storage, 48,000 acre-ft. Reservoir spilled May 11 to June 29, 1984, and Apr. 22-30, 1985, the first times since construction in 1922. Water is used for irrigation of lands in Salmon River Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table provided by Salmon River Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 180,600 acre-ft June 20, July 2, 3, 1984, gage height, 79.40 ft; minimum observed, 125 acre-ft Sept. 21 to Oct. 5, 1934, gage height, 0.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 157,400 acre-ft May 14, gage height, 72.35 ft; minimum observed, 87,000 acre-ft Oct. 1, 2, gage height, 47.35 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

45.0	81400	60.0	120600
50.0	93800	70.0	150000
		75.0	166000

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87000	87500	89200	90300	92900	108700	134200	156500	153600	140300	112400	90200
2	87000	87800	---	90400	93000	109800	135000	156600	153500	139200	111700	89900
3	---	---	89300	90500	---	110900	136400	156500	153500	138200	111200	---
4	---	---	89400	---	93200	112100	137500	156500	153300	137300	110500	---
5	---	---	---	90600	93400	113200	138500	---	153000	136100	109800	---
6	---	---	89500	---	93500	114200	139100	---	152800	135000	109100	89800
7	---	87900	89600	---	93800	115300	140000	156600	152700	133900	108300	89600
8	---	---	---	90800	93900	116400	140800	---	152700	133100	107700	89500
9	---	---	89800	---	---	117600	141900	156800	152800	132000	107000	---
10	87200	---	---	90900	94100	118700	142800	156900	153200	131200	106300	---
11	---	---	---	---	---	120200	143800	157100	153200	130200	105600	---
12	---	---	---	---	94200	121400	144800	157300	153200	129300	104700	---
13	---	88200	---	---	94400	122500	145500	---	153200	128400	103900	---
14	---	88300	---	91000	94600	123300	146400	157400	153000	127400	103100	---
15	87300	---	---	91200	94700	124200	147400	---	152700	126400	102300	---
16	---	---	---	---	94900	124800	148000	---	152400	125600	101600	---
17	---	---	89900	91300	95600	125400	148600	157100	152000	124600	100800	---
18	---	---	---	91500	96200	126100	149200	---	151300	123600	100000	---
19	87400	---	---	91600	98300	126700	150000	156900	150600	122600	99200	---
20	---	88400	90000	---	100000	127100	150600	156600	150000	121800	98400	---
21	---	---	---	---	101200	127600	151300	156100	149200	120900	97800	---
22	---	---	---	91800	101900	128100	151700	155800	148400	120100	97100	---
23	---	---	---	92000	103000	128600	152400	155500	147700	119100	96400	---
24	---	---	90200	---	103600	129000	153000	---	146900	118300	95600	---
25	---	88500	---	92200	104200	129600	153800	155200	146100	117400	94900	---
26	---	88600	---	92300	105200	130200	154600	154900	145200	116600	94200	---
27	---	88800	---	92400	106400	130600	155400	154600	144300	115800	93400	---
28	87500	---	---	---	107500	131200	156000	154300	143400	115000	92600	---
29	---	88900	---	92500	---	131900	156100	153900	142400	114500	92000	---
30	---	89000	---	92600	---	132600	156300	---	141300	113800	91400	89500
31	87500	---	90300	92800	---	133500	---	153800	---	113100	90800	---
MEAN	---	---	---	---	---	123000	146700	---	150300	125800	101600	---
MAX	---	---	---	---	---	133500	156300	---	153600	140300	112400	---
MIN	---	---	---	---	---	108700	134200	---	141300	113100	90800	---
(†)	47.55	48.15	48.65	49.65	55.25	64.50	72.00	71.20	67.15	57.30	48.85	48.35
(‡)	500	1500	1300	2500	14700	26000	22800	-2500	-12500	-28200	-22300	-1300

CAL YR 1985 ....(†) -43100
WTR YR 1986 ....(‡) 2500

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13106700 CEDAR CREEK RESERVOIR NEAR ROSEWORTH, ID

LOCATION.--Lat 42°13'27", long 114°52'44", in SW¼SW¼NE¼ sec.12, T.14S., R.13E., Twin Falls County, Hydrologic Unit 17040213, on right bank 200 ft upstream from dam on Cedar Creek, and 10.2 mi south of Roseworth.

DRAINAGE AREA.--128 mi^2.

PERIOD OF RECORD.--April 1957 to September 1965, April 1985 to current year.

GAGE.--Nonrecording gage. Elevation of gage is 5,160 ft, by barometer.

REMARKS.--Reservoir is formed by earthfill dam constructed in 1920; storage began in 1921. Total capacity, 29,930 acre-ft at gage height, 72.0 ft (crest of spillway). Dead storage, unknown. Water is used for irrigation of lands in Roseworth tract. Since 1920, water has been diverted from Deadwood Creek (tributary of East Fork Bruneau River) and Devil Creek to House Creek, which enters Cedar Creek Reservoir.

COOPERATION.--Gage readings provided by Cedar Mesa Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 27,200 acre-ft Apr. 17, 1985, gage height, 69.02 ft; minimum observed, 66 acre-ft Sept. 15, 1961, gage height, 1.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 26,200 acre-ft May 14, gage height, 67.60 ft; minimum observed, 12,300 acre-ft Sept. 20, gage height, 48.2 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

48.0	12200	60.0	19800
52.0	14500	64.0	22900
56.0	16900	68.0	26300

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---			---	---	---	---	---	---	---	---	---
2	12600			---	---	---	---	---	---	---	---	---
3	---			---	---	---	---	---	---	---	---	---
4	---			---	---	---	---	---	---	---	---	---
5	---			---	17800	---	---	---	---	---	---	12900
6	---			---	---	---	---	---	---	---	---	---
7	---			---	---	---	---	---	---	20800	---	---
8	---			---	---	---	---	---	---	---	---	---
9	---			---	---	---	23700	---	---	---	---	---
10	---			---	---	---	---	---	---	---	---	---
11	---			---	---	---	---	---	24300	---	---	---
12	---			---	---	---	---	---	---	---	---	---
13	---			---	---	---	---	---	---	---	---	12400
14	---			---	---	---	---	26000	---	---	---	---
15	---			---	---	---	---	---	---	---	---	---
16	---			---	---	---	---	---	24100	---	---	---
17	---			---	---	---	---	---	---	---	---	---
18	---			---	---	---	---	---	---	---	14600	---
19	---			---	---	---	---	---	---	---	---	---
20	---			---	---	---	---	---	23600	---	---	12300
21	---			---	---	---	---	---	---	---	---	---
22	---			---	---	---	---	---	---	---	14200	---
23	---			---	---	---	---	---	---	---	---	---
24	13500			17000	---	---	---	---	---	---	---	---
25	---			---	---	---	---	---	---	---	---	---
26	---			---	---	---	---	---	---	---	---	---
27	---			---	---	---	---	---	---	---	---	---
28	---			---	20900	22800	---	---	---	---	13700	---
29	---			---	---	---	---	---	---	17300	13500	---
30	---			---	---	---	---	---	---	17200	---	---
31	---			---	---	---	---	---	---	---	---	---
MEAN	---			---	---	---	---	---	---	---	---	---
MAX	---			---	---	---	---	---	---	---	---	---
MIN	---			---	---	---	---	---	---	---	---	---

13108150 SALMON FALLS CREEK NEAR HAGERMAN, ID

LOCATION.--Lat 42°41'47", long 114°51'15", in SW¼SE¼SE¼ sec.30, T.8 S., R.14 E., Twin Falls County, Hydrologic Unit 17040413, on left bank 25 ft upstream from U.S. Highway 30, at mile 1.9, and 8.5 mi south of Hagerman.

DRAINAGE AREA.--2,120 mi^2, approximately.

PERIOD OF RECORD.--April 1970 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,900 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow completely regulated by Salmon River Canal Co. reservoir 44 mi upstream (see sta 13106500). Flow below the dam is derived from leakage past the dam and return flow from adjacent land. Several diversions by pumping from the left bank below the dam are used for irrigation. Flow past gage is partially regulated during irrigation season by small diversion dam 0.9 mi upstream.

AVERAGE DISCHARGE.--16 years, 170 ft^3/s, 123,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,500 ft^3/s May 16, 1984, gage height, 18.14 ft on basis of contracted opening measurement of peak flow, result of roadfill collapse approximately 13 mi upstream; minimum, 5.8 ft^3/s July 9, 1977, gage height, 2.51 ft. From May 11 to June 28, 1984, Salmon River Canal Co. reservoir spilled into Salmon Falls Creek for the first time since construction in 1910. Maximum discharge excluding 1984 was 3,390 ft^3/s Jan. 12, 1979, gage height, 9.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 510 ft^3/s Feb. 19, gage height, 7.04 ft; minimum, 36 ft^3/s July 1, 2, gage height, 4.05 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

4.0	35	6.0	273
4.5	71	6.5	378
5.0	121	7.0	500
5.5	190	7.5	649

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	265	200	174	189	205	188	193	76	38	126	230
2	293	264	206	176	178	203	181	167	80	39	119	232
3	282	244	206	174	175	196	220	145	86	41	109	235
4	205	227	199	173	171	187	170	154	93	40	117	228
5	170	227	197	176	168	183	222	159	109	49	104	220
6	213	227	194	173	160	180	250	156	134	56	109	228
7	291	227	196	165	173	179	261	165	160	70	103	236
8	303	225	199	164	173	184	260	182	245	78	104	241
9	310	225	197	161	170	178	256	182	243	84	109	252
10	307	227	194	160	172	176	242	176	225	77	104	267
11	302	224	189	161	173	176	230	181	196	72	105	230
12	305	225	174	159	173	173	237	184	159	76	81	204
13	307	222	174	160	195	171	242	179	143	75	59	206
14	304	225	176	162	192	171	245	164	128	70	78	211
15	304	219	176	162	180	170	238	160	122	84	99	252
16	302	219	174	164	195	171	212	159	128	96	100	289
17	294	214	176	174	215	170	180	162	100	114	97	299
18	294	201	172	207	299	165	195	145	96	121	101	310
19	283	198	172	190	438	163	205	123	86	116	102	308
20	281	201	171	195	245	167	207	99	70	123	105	311
21	286	198	168	194	208	165	210	95	78	127	111	315
22	296	198	166	182	194	166	183	97	84	128	123	312
23	297	193	166	173	189	166	152	106	76	132	136	314
24	296	195	167	166	138	164	154	121	52	143	156	314
25	284	204	166	157	138	164	185	116	61	165	161	312
26	281	201	166	156	133	162	214	110	48	178	162	302
27	281	201	166	158	133	164	236	99	42	187	148	313
28	281	200	166	156	187	162	233	97	45	188	154	318
29	279	201	164	159	---	159	206	89	55	156	165	315
30	271	200	166	164	---	157	193	85	54	145	175	312
31	264	---	168	202	---	168	---	78	---	142	197	---
TOTAL	8693	6497	5571	5297	5354	5365	6407	4328	3274	3210	3719	8116
MEAN	280	217	180	171	191	173	214	140	109	104	120	271
MAX	310	265	206	207	438	205	261	193	245	188	197	318
MIN	170	193	164	156	133	157	152	78	42	38	59	204
AC-FT	17240	12890	11050	10510	10620	10640	12710	8580	6490	6370	7380	16100

CAL YR 1985 TOTAL 65681 MEAN 180 MAX 607 MIN 30 AC-FT 130300
WTR YR 1986 TOTAL 65831 MEAN 180 MAX 438 MIN 38 AC-FT 130600

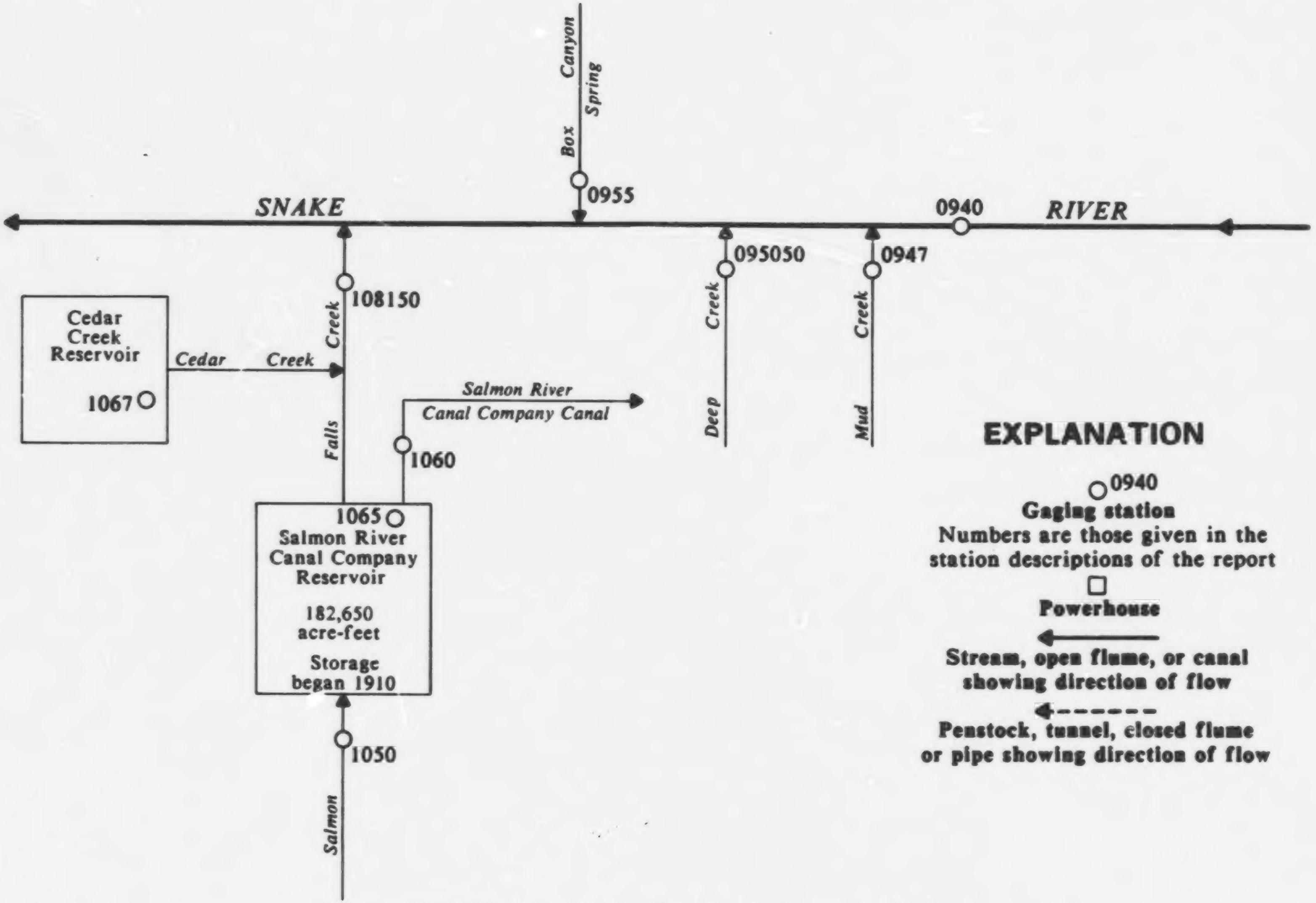
Box Canyon Spring
0955
SNAKE
RIVER
0940
095050
0947
108150
Cedar Creek Reservoir
1067
Cedar Creek
Falls Creek
Deep Creek
Mud Creek
Salmon River Canal Company Canal
1060
1065
Salmon River Canal Company Reservoir
182,650 acre-feet
Storage began 1910
1050
Salmon
EXPLANATION
0940
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 19.--Gaging stations in Snake River basin between Snake River near Buhl and Salmon Falls Creek.

13108900 CAMAS CREEK AT RED ROAD, NEAR KILGORE, ID

LOCATION.--Lat 44°17'20", long 111°51'28", in NE¼NE¼NE¼ sec. 18, T. 11 N., R. 39 E., Clark County, Hydrologic Unit 17040203, on left bank 200 ft upstream from county road bridge, 1.5 mi southeast of intersection of Red Road and Dubois-Kilgore Road, and 8 mi south of Kilgore.

DRAINAGE AREA.--262 mi^2.

PERIOD OF RECORD.--July 1985 to current year. Former station, Camas Creek at Eighteenmile Shearing Corral, near Kilgore (13108500) at site 1 mi upstream, May 1937 to October 1953 (no winter records prior to 1947), and April 1969 to September 1973. Records may not be comparable.

GAGE.--Water-stage recorder. Elevation of gage is 6,220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Oct. 9-13, Nov. 8 to Mar. 29. Records good except for periods of estimated record, which are fair.

EXTREMES FOR CURRENT PERIOD.--July to September 1985: Maximum discharge, 117 ft^3/s Sept. 13, gage height, 5.46 ft; minimum, 22 ft^3/s Aug. 22-25, gage height, 4.13 ft.

Water Year 1986: Maximum daily discharge, 1,040 ft^3/s Apr. 23; minimum daily, 14.0 ft^3/s Jan. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	40	23
2										---	36	30
3										---	37	36
4										---	39	36
5										---	35	33
6										---	33	32
7										---	32	35
8										---	28	37
9										---	27	46
10										---	26	58
11										39	25	46
12										44	32	83
13										49	34	102
14										48	32	62
15										47	30	52
16										43	29	49
17										41	27	46
18										47	27	46
19										48	26	46
20										44	26	42
21										39	25	41
22										35	23	41
23										33	22	40
24										35	22	38
25										36	22	38
26										33	24	37
27										30	24	37
28										29	24	35
29										28	24	34
30										34	24	36
31										39	23	---
TOTAL										---	878	1317
MEAN										---	28.3	43.9
MAX										---	40	102
MIN										---	22	23
AC-FT										---	1740	2610

13108900 CAMAS CREEK AT RED ROAD, NEAR KILGORE, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	41	22	15	23	30	81	295	696	66	44	49
2	39	41	21	15	22	31	71	351	653	61	40	48
3	41	41	20	15	21	30	69	542	615	57	38	45
4	41	41	20	14	20	30	76	745	593	59	36	44
5	41	41	19	15	20	30	76	756	541	57	36	42
6	41	41	19	16	20	31	90	578	467	56	35	40
7	42	39	20	16	19	32	123	575	434	57	34	40
8	41	41	20	17	19	32	149	583	422	57	33	40
9	38	34	19	17	19	31	213	443	462	57	33	40
10	39	29	18	18	19	31	250	409	511	67	34	40
11	40	29	18	18	20	32	310	635	399	70	34	40
12	40	28	17	18	20	31	381	505	311	65	36	41
13	41	29	17	18	21	30	353	383	267	59	35	41
14	41	29	17	19	22	31	305	359	237	53	35	41
15	43	30	18	20	24	31	303	335	258	49	33	46
16	44	30	18	21	26	31	373	329	288	48	32	47
17	44	28	18	22	28	30	338	332	224	47	30	44
18	41	28	18	22	27	30	340	330	178	46	29	44
19	39	27	18	23	27	31	337	351	156	44	28	45
20	39	26	17	23	27	34	385	397	147	41	28	49
21	41	25	17	22	26	39	692	501	134	39	30	53
22	45	24	16	21	26	39	989	674	123	38	43	52
23	49	23	16	20	28	39	1040	678	115	45	42	49
24	50	23	16	20	31	38	705	540	105	49	41	47
25	50	23	17	19	32	38	520	488	96	46	41	50
26	48	23	17	19	31	41	439	500	95	52	42	53
27	46	22	17	19	30	45	378	572	93	60	41	54
28	44	21	16	20	29	50	399	661	85	58	38	55
29	42	21	16	21	---	57	428	730	80	51	35	56
30	42	21	16	23	---	67	359	770	71	45	43	56
31	41	---	16	22	---	86	---	744	---	44	51	---
TOTAL	1311	899	554	588	677	1158	10572	16091	8856	1643	1130	1391
MEAN	42.3	30.0	17.9	19.0	24.2	37.4	352	519	295	53.0	36.5	46.4
MAX	50	41	22	23	32	86	1040	770	696	70	51	56
MIN	38	21	16	14	19	30	69	295	71	38	28	40
AC-FT	2600	1780	1100	1170	1340	2300	20970	31920	17570	3260	2240	2760

WTR YR 1986 TOTAL 44870 MEAN 123 MAX 1040 MIN 14 AC-FT 89000

13109600 CAMAS CREEK DIVERSION ABOVE LONE TREE RESERVOIR, NEAR DUBOIS, ID

LOCATION.--Lat 44°14'53", long 111°54'56", in NE¼SE¼SE¼ sec.25, T.11 N., R.38 E., Clark County, Hydrologic Unit 17040214, at diversion structure, and 15 mi northeast of Dubois.

PERIOD OF RECORD.--April 1969 to May 1975, unpublished; 1980, 1983-86, (flood season only).

REVISED RECORDS.--WDR ID-85-1: Station number.

GAGE.--Water-stage recorder. Elevation of gage is 6,130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 11, 1985, at site 0.2 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Apr. 2-4. Records good except for estimated daily discharges, which are fair. Flow controlled by headgates from Camas Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 730 ft^3/s May 16, 1984; no flow for long periods when headgates are closed.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							67	134				
2							62	176				
3							55	196				
4							59	220				
5							65	186				
6							74	186				
7							83	187				
8							89	161				
9							110	143				
10							119	183				
11							133	183				
12							150	151				
13							139	138				
14							127	132				
15							130	128				
16							143	132				
17							136	134				
18							136	128				
19							136	134				
20							154	145				
21							231	168				
22							266	206				
23							267	203				
24							197	177				
25							162	165				
26							145	174				
27							147	190				
28							153	208				
29							142	220				
30							126	226				
31							---	223				
TOTAL							4003	5337				
MEAN							133	172				
MAX							267	226				
MIN							55	128				
AC-FT							7940	10590				

13112000 CAMAS CREEK AT CAMAS, ID

LOCATION.--Lat 44°00'10", long 112°13'12", in SE¼SE¼ sec.21, T.8 N., R.36 E., Jefferson County, Hydrologic Unit 17040214, on left bank 150 ft upstream from county road bridge, 250 ft upstream from Union Pacific Railroad bridge at Camas, and about 1.1 mi upstream from Beaver Creek.

DRAINAGE AREA.--400 mi^2, approximately. Mean elevation, 6,450 ft.

PERIOD OF RECORD.--April 1925 to October 1970, April 1971 to September 1982, May 1983 to current year.

REVISED RECORDS.--WSP 813: 1935. WSP 1123: 1947. WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,806.84 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 21, 1925, nonrecording gage at site 0.1 mi downstream at different datum. Aug. 21, 1925, to Mar. 25, 1927, nonrecording gage, and Mar. 26, 1927, to Sept. 14, 1938, water-stage recorder at site 250 ft upstream at datum 2.01 ft higher.

REMARKS.--Estimated daily discharge: May 27 to July 17. Records fair except for period of no gage-height record, May 27 to July 17, which are poor. Diversions above station for irrigation of about 8,100 acres (1966 determination).

COOPERATION.--Water-stage recorder inspected by employees of Water District 31.

AVERAGE DISCHARGE.--58 years (1927-70, 1972-82, 1984-86), 35.4 ft^3/s, 25,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,320 ft^3/s May 16, 1984, gage height, 7.61 ft; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 707 ft^3/s Apr. 22, gage height, 4.66 ft; no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	45	73	350	16	.00	.00
2	.00	.00	.00	.00	.00	.00	40	58	340	15	.00	.00
3	.00	.00	.00	.00	.00	.00	32	80	330	15	.00	.00
4	.00	.00	.00	.00	.00	.00	30	186	320	16	.00	.00
5	.00	.00	.00	.00	.00	.00	37	340	295	15	.00	.00
6	.00	.00	.00	.00	.00	15	29	254	288	15	.00	.00
7	.00	.00	.00	.00	.00	22	26	215	265	15	.00	.00
8	.00	.00	.00	.00	.00	28	39	225	250	15	.00	.00
9	.00	.00	.00	.00	.00	28	51	196	260	16	.00	.00
10	.00	.00	.00	.00	.00	26	81	127	275	18	.00	.00
11	.00	.00	.00	.00	.00	23	94	187	185	21	.00	.00
12	.00	.00	.00	.00	.00	22	141	241	155	16	.00	.00
13	.00	.00	.00	.00	.00	22	159	167	130	14	.00	.00
14	.00	.00	.00	.00	.00	21	136	117	115	10	.00	.00
15	.00	.00	.00	.00	.00	22	123	102	130	6.0	.00	.00
16	.00	.00	.00	.00	.00	22	130	92	140	3.0	.00	.00
17	.00	.00	.00	.00	.00	22	139	91	86	.00	.00	.00
18	.00	.00	.00	.00	.00	19	129	86	70	.00	.00	.00
19	.00	.00	.00	.00	.00	22	130	87	61	.00	.00	.00
20	.00	.00	.00	.00	.00	19	124	98	53	.00	.00	.00
21	.00	.00	.00	.00	.00	19	225	126	47	.00	.00	.00
22	.00	.00	.00	.00	.00	19	464	216	39	.00	.00	.00
23	.00	.00	.00	.00	.00	18	480	297	31	.00	.00	.00
24	.00	.00	.00	.00	.00	19	345	234	28	.00	.00	.00
25	.00	.00	.00	.00	.00	19	206	169	25	.00	.00	.00
26	.00	.00	.00	.00	.00	18	155	148	23	.00	.00	.00
27	.00	.00	.00	.00	.00	20	114	170	20	.00	.00	.00
28	.00	.00	.00	.00	.00	19	106	220	19	.00	.00	.00
29	.00	.00	.00	.00	---	20	126	267	18	.00	.00	.00
30	.00	.00	.00	.00	---	26	119	390	17	.00	.00	.00
31	.00	---	.00	.00	---	34	---	370	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	564.00	4055	5629	4365	226.00	.00	.00
MEAN	.00	.00	.00	.00	.00	18.2	135	182	146	7.29	.00	.00
MAX	.00	.00	.00	.00	.00	34	480	390	350	21	.00	.00
MIN	.00	.00	.00	.00	.00	.00	26	58	17	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	1120	8040	11170	8660	448	.00	.00

CAL YR 1985 TOTAL 9880.30 MEAN 27.1 MAX 381 MIN .00 AC-FT 19600
WTR YR 1986 TOTAL 14839.00 MEAN 40.7 MAX 480 MIN .00 AC-FT 29430

13113000 BEAVER CREEK AT SPENCER, ID

LOCATION.--Lat 44°21'20", long 112°10'45", in NW¼SE¼ sec. 23, T. 12 N., R. 36 E., Clark County, Hydrologic Unit 17040214, on left bank 62 ft upstream from State Highway 22, 0.4 mi southeast of Spencer Post Office, and 2.5 mi upstream from Rattlesnake Creek.

DRAINAGE AREA.--120 mi^2, approximately.

PERIOD OF RECORD.--December 1938 to September 1940 (published as "near Spencer"), October 1940 to November 1952 (no winter records 1942-52), October 1968 to May 1982, April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,850 ft, by barometer. December 1938 to November 1952, nonrecording gage. Prior to October 1940, at site 1.6 mi upstream at different datum.

REMARKS.--Estimated daily discharge: Oct. 7-12, Nov. 7 to Mar. 20. Records good except for estimated and ice-affected record, which is fair. Diversions above station for irrigation of about 850 acres (1966 determination).

AVERAGE DISCHARGE.--16 years (1940-41, 1969-1982, 1986), 42.0 ft^3/s, 30,430 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,190 ft^3/s May 18, 1975, gage height, 9.84 ft, from rating curve extended above 400 ft^3/s on basis of computation of peak flow through culvert; minimum daily, 0.96 ft^3/s Aug. 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 156 ft^3/s May 12, 13, gage height, 4.09 ft; minimum, 8.3 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	12	11	15	16	67	58	76	28	11	17
2	20	18	12	11	15	18	51	55	72	27	11	16
3	20	18	13	12	14	17	55	54	76	25	9.7	16
4	18	18	12	11	14	17	60	56	74	26	12	15
5	19	18	12	12	14	17	70	62	67	24	9.9	15
6	19	15	13	13	13	18	74	66	77	24	9.0	15
7	20	14	13	12	13	18	73	86	85	23	8.6	15
8	19	15	14	12	13	19	73	79	73	23	12	15
9	19	16	13	13	12	19	62	82	81	32	14	16
10	20	15	12	14	13	19	60	125	73	31	13	17
11	21	14	11	13	13	20	73	137	61	27	13	16
12	22	14	11	13	14	21	88	136	56	26	15	16
13	21	14	12	13	15	20	74	123	55	21	13	16
14	21	15	12	13	14	21	64	98	53	20	13	18
15	22	15	13	13	14	23	67	86	70	18	11	20
16	21	15	13	14	15	23	74	80	53	16	10	18
17	21	15	13	14	16	23	69	74	45	17	10	18
18	21	14	13	13	16	23	67	73	42	17	10	18
19	22	14	13	13	15	25	55	73	39	16	9.7	19
20	22	13	13	14	15	29	57	74	39	15	10	22
21	22	12	13	13	15	37	61	83	37	14	17	24
22	29	11	12	12	14	43	60	120	36	13	19	21
23	25	10	12	12	15	43	61	94	36	14	15	20
24	28	13	12	13	16	47	56	83	34	14	15	20
25	27	15	13	12	17	52	51	77	34	14	14	21
26	21	13	14	12	16	49	60	76	34	16	15	21
27	20	12	13	13	16	59	73	77	33	16	13	23
28	19	12	12	13	15	85	75	78	31	15	12	24
29	18	13	12	14	---	112	69	77	29	12	14	23
30	18	13	11	15	---	118	67	76	29	12	24	24
31	17	---	11	15	---	97	---	75	---	13	18	---
TOTAL	651	431	385	398	407	1148	1976	2593	1600	611	400.9	559
MEAN	21.0	14.4	12.4	12.8	14.5	37.0	65.9	83.6	53.3	19.7	12.9	18.6
MAX	29	18	14	15	17	118	88	137	85	32	24	24
MIN	17	10	11	11	12	16	51	54	29	12	8.6	15

WTR YR 1986 TOTAL 11159.9 MEAN 30.6 MAX 137 MIN 8.6

13113500 BEAVER CREEK AT DUBOIS, ID

LOCATION.--Lat 44°11'10", long 112°14'08", in SW¼SE¼NW¼ sec. 21, T. 10 N., R. 36 E., Clark County, Hydrologic Unit 17040214, on left bank 50 ft north of highway bridge crossing in Dubois.

DRAINGAGE AREA.-- 220 mi^2, approximately.

PERIOD OF RECORD.--April 1921 to September 1973, April to September 1983, April 1985 to current year. Prior to July 12, 1985, nonrecording gage at same site and datum. April 1921 to September 1973, at site 0.50 mi upstream. Records may not be comparable during irrigation season.

GAGE.--Water-stage recorder. Elevation of gage is 5,150 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 9-13, Nov. 8 to Mar. 20. Records good except periods of estimated daily discharges, which are fair. Flow affected by irrigation diversions.

COOPERATION.--Observer readings provided by watermaster of Water District 31.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 672 ft^3/s Apr. 15, 1985, gage height, 4.50 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum observed discharge, 1,070 ft^3/s May 16, 1984, gage height, 5.55 ft.

EXTREMES FOR CURRENT YEAR.--Maximum observed discharge, 164 ft^3/s May 22, gage height, 2.10 ft; minimum, 0.6 ft^3/s Aug. 20, gage height, 0.22 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	14	10	13	17	72	61	110	12	7.1	9.2
2	13	17	15	10	13	19	58	57	99	12	6.2	8.2
3	13	17	16	10	13	18	41	57	96	11	5.6	7.5
4	13	17	15	10	13	16	60	65	95	13	5.3	6.8
5	12	17	16	10	12	18	68	84	80	13	7.4	5.9
6	13	17	16	11	12	19	75	81	83	13	5.0	5.0
7	13	15	16	11	12	19	74	102	85	14	4.7	4.9
8	13	17	17	11	12	21	75	94	77	11	4.4	5.5
9	12	16	15	11	12	21	67	85	81	14	6.5	5.4
10	12	16	14	12	13	21	64	117	76	18	8.4	6.0
11	13	16	12	12	14	21	70	143	60	15	7.2	7.1
12	14	16	13	12	15	23	71	131	53	14	8.0	6.5
13	15	16	13	12	16	23	77	127	49	13	9.1	5.7
14	16	17	13	12	15	23	60	104	46	11	7.8	5.8
15	16	17	14	12	15	25	63	91	59	9.6	4.7	11
16	17	17	14	12	16	25	66	86	49	10	2.5	9.3
17	17	17	13	12	17	26	64	79	39	11	2.6	7.3
18	16	16	13	12	17	26	65	78	35	9.9	2.3	6.8
19	16	16	13	12	17	27	53	77	31	8.8	2.6	7.6
20	17	16	12	12	16	28	51	80	31	8.4	1.3	9.9
21	17	15	12	12	16	34	57	94	28	8.7	3.0	12
22	20	14	12	11	16	40	60	145	27	8.8	15	13
23	23	13	11	11	17	39	62	121	25	9.3	8.6	10
24	21	16	11	12	18	41	62	105	23	9.4	7.0	9.6
25	18	17	12	11	19	46	64	98	22	9.7	5.7	10
26	17	16	12	11	18	44	65	100	21	9.2	5.5	10
27	16	15	12	11	17	49	71	108	17	9.9	5.2	11
28	16	14	11	12	17	68	80	116	16	9.9	3.3	13
29	18	16	11	12	---	95	70	119	14	8.8	2.7	12
30	18	15	11	13	---	112	71	118	13	7.1	13	12
31	16	---	10	13	---	100	---	114	---	7.1	13	---
TOTAL	479	480	409	355	421	1106	1956	3037	1540	339.6	190.7	254.0
MEAN	15.5	16.0	13.2	11.5	15.0	35.7	65.2	98.0	51.3	11.0	6.15	8.47
MAX	23	17	17	13	19	112	80	145	110	18	15	13
MIN	12	13	10	10	12	17	41	57	13	7.1	1.3	4.9
AC-FT	950	952	811	704	835	2190	3880	6020	3050	674	378	504

WTR YR 1986 TOTAL 10567.3 MEAN 29.0 MAX 145 MIN 1.3 AC-FT 20960

13114000 BEAVER CREEK AT CAMAS, ID

LOCATION.--Lat 44°00'27", long 112°13'25", in NW¼SW¼ sec.21, T.8 N., R.36 E., Jefferson County, Hydrologic Unit 17040214, on right bank 0.1 mi west of railroad crossing at Camas, and about 1.4 mi upstream from mouth.

DRAINAGE AREA.--510 mi^2, approximately. Mean elevation, 6,190 ft.

PERIOD OF RECORD.--April 1921 to September 1982 (flood season only 1971-82), April 1984 to current year (no winter record).

GAGE.--Water-stage recorder. Elevation of gage is 4,790 ft, by barometer. Prior to Dec. 22, 1949, nonrecording gages at nearby sites at present datum.

REMARKS.--Estimated daily discharges: Apr. 1, 2, and June 18, records good except for estimated daily discharges, which are fair. Flow affected by irrigation diversions above Dubois, 14 mi above station, and by heavy channel losses below Dubois. Diversions above station for irrigation of about 5,800 acres (1966 determination).

COOPERATION.--Occasional inspections of recorder by Watermaster of Water District 31.

AVERAGE DISCHARGE.--50 years (1922-70, 1986), 6.03 ft^3/s, 4,370 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 492 ft^3/s May 17, 1984, gage height, 4.56 ft; no flow for many days; no flow for long periods in each year; no flow for entire water years 1929, 1931-37, 1940, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 117 ft^3/s May 12, gage height, 3.17 ft. No flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	24	22	74	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	15	16	65	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	8.8	13	62	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	6.8	17	62	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	12	33	49	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	14	39	49	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	15	53	52	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	15	57	51	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	13	52	48	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	11	65	48	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	11	107	32	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	15	100	24	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	23	82	20	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	20	60	14	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	22	37	13	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	22	32	16	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	23	27	6.4	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	23	25	.20	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	17	23	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	12	22	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	11	24	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	13	53	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	15	76	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	18	58	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	20	47	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	25	45	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	26	52	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	33	57	.00	.00	.00	.00
29	.00	.00	.00	.00	---	7.3	30	64	.00	.00	.00	.00
30	.00	.00	.00	.00	---	28	30	66	.00	.00	.00	.00
31	.00	---	.00	.00	---	35	---	65	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	70.30	543.6	1489	685.60	.00	.00	.00
MEAN	.00	.00	.00	.00	.00	2.27	18.1	48.0	22.9	.00	.00	.00
MAX	.00	.00	.00	.00	.00	35	33	107	74	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	6.8	13	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	139	1080	2950	1360	.00	.00	.00

WTR YR 1986 TOTAL 2788.50 MEAN 7.64 MAX 107 MIN .00 AC-FT 5530

13115000 MUD LAKE NEAR TERRETON, ID

LOCATION.--Lat 43°53'25", long 112°21'28", in NE¼SE¼ sec.32, T.7 N., R.35 E., Jefferson County, Hydrologic Unit 17040215, at mouth of Camas Creek, 4.4 mi northeast of First Owsley pumphouse, and 5.5 mi northeast of Terreton.

DRAINAGE AREA.--1,130 mi^2, approximately, not including Medicine Lodge Creek.

PERIOD OF RECORD.--April 1921 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,774.99 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1931, nonrecording gages at or near pumphouse (now used as a supplementary gage) at same datum. Oct. 31, 1931, to Sept. 30, 1954, water-stage recorder at site 2.7 mi southwest and 2 mi north of First Owsley pumphouse at same datum; Oct. 1, 1954, to Sept. 8, 1978, water-stage recorder at site 670 ft north of mouth of Camas Creek at same datum.

REMARKS.--Mud Lake is a perched body of water confined by earth dikes and fed by ground water and surface tributaries augmented by well flows and surface inflow from North Lake. Water for irrigation is diverted from the lake by pumping. Other irrigation diversions are made by various means from adjacent lakes and wells and Camas Creek above the lake. Area of Mud Lake is varied from time to time by changes in dikes. Figures given herein represent contents above gage height -4.0 ft. Capacity table prepared from surveys made by U.S. Geological Survey and adjusted for changes in dikes. High winds are frequent, and stage at recorder during wind does not usually represent the mean for the lake. For complete description of Mud Lake region, see WSP 818.

COOPERATION.--Water-stage recorder inspected by employees of Water District 31.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 61,660 acre-ft May 5, 1923, gage height, 9.20 ft; practically no contents Oct. 1 to Nov. 15, 1937, due to bypassing Camas Creek (see Remarks).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 45,700 acre-ft May 12, gage height, 9.13 ft; minimum contents, 8,180 acre-ft Sept. 30, gage height, 2.01 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

1.9	7840	6.0	25700
2.0	8150	8.0	37900
3.0	11600	9.0	44700
4.0	15800	10.0	54500

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9250	10200	16800	24200	30600	37400	37000	42600	40600	29900	14900	10800
2	9220	10500	17200	24500	30800	37700	37100	43200	40100	29100	14700	10600
3	8990	10700	17400	24600	31000	37900	37100	43300	39500	28400	14500	10500
4	8990	11000	17600	24800	31300	38100	37100	44000	39100	27600	14500	10300
5	8990	11100	17800	25100	31500	38200	37400	44400	39000	26700	14400	10200
6	9020	11200	18000	25300	31800	38300	37700	44700	38600	26200	14300	10000
7	9020	11600	18300	25500	31800	38600	37900	45000	38300	25500	14100	9900
8	9020	11600	18600	25700	32000	38900	37900	45200	38200	24900	13900	9900
9	9080	11600	18800	25900	32300	39000	37900	45200	38100	24000	13900	9830
10	9080	11900	19000	26100	32500	39100	38100	45300	38100	23300	13900	9790
11	9120	12200	19100	26300	32700	39200	38200	45400	38100	22400	13800	9620
12	9250	12400	19400	26500	33000	39200	38300	45500	38000	21800	13800	9550
13	9350	12600	19700	26800	33300	39200	38500	45400	37900	21500	13800	9480
14	9480	12800	19900	26900	33500	39300	38600	45200	37900	20800	13600	9420
15	9520	12900	20100	27200	34000	39100	38700	45000	37900	20200	13600	9380
16	9520	13200	20400	27400	34100	39100	38700	45100	37900	19700	13300	9320
17	9550	13400	20700	27600	34500	39100	39000	45000	37800	19000	13000	9220
18	9620	13600	20800	27700	34800	38700	39000	44900	37800	18600	12500	9250
19	9660	13800	21100	28000	35000	38700	39100	44000	37300	18200	12300	9220
20	9730	14100	21300	28100	35300	38700	39300	43600	37100	17700	12100	9020
21	9970	14400	21400	28200	35500	39000	39300	43300	36800	17300	11900	8920
22	10100	14600	21600	28500	35900	38900	39400	42900	36500	16800	11800	8890
23	10100	14800	21900	28700	36000	38600	39700	42800	35900	16400	11600	8790
24	10100	15100	22100	28900	36300	38300	39900	42700	35600	15900	11500	8760
25	10100	15400	22300	29100	36500	38200	40600	42600	34700	15500	11500	8730
26	10100	15500	22500	29400	36800	38000	40900	42600	33900	15400	11500	8500
27	10100	15800	22700	29600	36900	37700	41300	42600	33000	15400	11100	8370
28	10000	16000	22900	29800	37300	37700	41500	42400	32400	15300	11000	8310
29	10000	16300	23100	29900	---	37700	41800	42100	31600	15100	10900	8240
30	10000	16500	23300	30100	---	37600	42000	41800	30700	15000	10800	8210
31	10000	---	23900	30300	---	37200	---	41100	---	14900	10800	---
MAX	10100	16500	23900	30300	37300	39300	42000	45500	40600	29900	14900	10800
MIN	8990	10200	16800	24200	30600	37200	37000	41100	30700	14900	10800	8210
(†)	2.58	4.15	5.66	6.79	7.90	7.89	8.60	8.48	6.86	3.80	2.78	2.02
(‡)	720	6500	7400	6400	7000	-100	4800	-900	-10400	-15800	-4100	-2590

CAL YR 1985.......(‡) -2900
WTR YR 1986.......(‡) -1070

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13116500 MEDICINE LODGE CREEK NEAR SMALL, ID

LOCATION.--Lat 44°15'22", long 112°24'12", in SW¼NE¼ sec. 25, T. 11 N., R. 34 E., Clark County, Hydrologic Unit 17040214, on right bank 400 ft west of H.W. Small's ranch house, 0.4 mi downstream from Indian Creek, 4 mi northwest of Small, and 11 mi northwest of Dubois.

DRAINAGE AREA.--270 mi^2, approximately.

PERIOD OF RECORD.--1921-1923; 1941-1949; May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above National Geodetic Vertical Datum of 1929, from topographic map. Nonrecording gage, Apr. 19, 1921 to Dec. 19, 1923 at a site 100 ft upstream at different datum, 1941-49, water-stage recorder at site 200 ft upstream. Records comparable.

REMARKS.--Estimated daily discharges: Nov. 19 to Feb. 25. Records good except for periods of estimated record, which are fair. Many small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 265 ft^3/s June 9, 1944; maximum gage height, 8.44 ft Jan. 10, 1986; minimum discharge observed, 8 ft^3/s Dec. 14, 1940 (discharge measurement).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 147 ft^3/s May 28, gage height, 5.81 ft; minimum daily discharge, 33 ft^3/s Dec. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	53	47	44	48	65	59	50	117	78	67	67
2	53	53	48	45	45	66	60	49	117	78	67	63
3	51	53	48	44	44	69	55	55	126	77	64	62
4	48	53	48	43	44	69	59	69	122	76	68	61
5	47	55	47	45	44	68	58	76	122	75	71	58
6	48	57	46	46	42	69	57	77	130	74	71	59
7	45	57	45	45	40	67	56	87	128	72	69	58
8	42	61	43	44	38	71	53	78	131	74	71	58
9	47	59	41	47	37	70	50	75	129	77	68	58
10	48	57	39	48	39	67	50	87	121	76	67	61
11	48	60	35	47	41	67	50	89	111	74	64	60
12	48	65	33	46	43	66	50	81	111	72	67	57
13	48	62	37	45	46	66	50	77	118	70	65	57
14	48	61	40	46	45	65	50	78	109	68	62	59
15	47	61	43	47	48	67	50	76	113	69	61	62
16	46	61	42	48	49	66	51	72	106	72	57	61
17	44	63	41	49	48	65	52	71	104	70	57	60
18	43	63	44	46	47	62	50	70	104	67	57	60
19	43	61	45	47	46	63	51	71	99	66	57	61
20	43	58	47	48	45	64	51	76	97	64	59	62
21	48	55	48	46	44	65	50	97	96	64	75	61
22	54	56	46	47	43	67	53	112	94	65	67	59
23	52	55	45	48	45	67	53	101	91	67	63	58
24	52	57	44	47	49	67	47	94	88	73	64	58
25	54	58	43	46	50	64	47	97	87	76	61	58
26	53	56	45	44	55	64	52	108	87	77	62	57
27	54	53	46	44	67	64	52	122	86	75	61	59
28	53	50	45	45	66	63	51	135	83	76	61	59
29	54	51	44	47	---	63	52	132	80	72	61	58
30	54	49	44	48	---	59	52	126	79	71	70	59
31	52	---	43	47	---	59	---	119	---	71	64	---
TOTAL	1519	1713	1352	1429	1298	2034	1571	2707	3186	2236	1998	1790
MEAN	49.0	57.1	43.6	46.1	46.4	65.6	52.4	87.3	106	72.1	64.5	59.7
MAX	54	65	48	49	67	71	60	135	131	78	75	67
MIN	42	49	33	43	37	59	47	49	79	64	57	57

WTR YR 1986 TOTAL 22833 MEAN 62.6 MAX 135 MIN 33

13117020 BIRCH CREEK AT BLUE DOME INN, NEAR RENO, ID

LOCATION.--Lat 44°09'14", long 112°34'24", in NE¼SW¼ sec. 32, T.10 N., R.30 E., Clark County, Hydrologic Unit 17040216, on left bank 40 ft upstream from bridge on Highway 28, 0.2 mi downstream from Blue Dome Inn, 9 mi southeast of former Reno Post Office, and 34 mi west of Dubois.

DRAINAGE AREA.--380 mi^2, approximately.

PERIOD OF RECORD.--June 1967 to September 1981 (no winter records most years), April 1985 to current year. Prior to June 1972, at site 40 ft downstream at same datum.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 10 to Dec. 2, Dec. 4, Dec. 11 to Mar. 17. Records good except for periods of estimated and ice-affected record, which are fair. Diversions above station for irrigation of about 280 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 149 ft^3/s, July 30, 1969, gage height, 1.56 ft; minimum recorded, 47 ft^3/s June 26-29, 1977, gage height, 1.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 118 ft^3/s Oct. 9, gage height, 2.10 ft; minimum, 62 ft^3/s June 21-27, gage height, 1.70 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	71	75	86	94	92	88	76	76	64	68	73
2	84	72	81	88	96	93	91	75	77	65	68	72
3	83	73	82	87	94	91	89	75	75	66	68	72
4	83	72	79	85	96	90	89	78	75	68	69	72
5	83	73	82	88	92	89	88	76	77	71	68	72
6	83	72	84	91	89	90	87	78	75	69	69	72
7	79	72	82	89	88	92	88	78	75	70	71	71
8	75	73	85	91	85	91	90	77	76	70	71	73
9	86	72	81	93	78	89	89	78	76	72	70	74
10	85	70	80	95	80	88	88	82	73	69	71	73
11	84	68	78	95	82	88	89	81	71	68	73	72
12	84	70	79	96	84	89	90	78	70	68	72	71
13	83	72	78	97	86	90	88	78	70	68	72	72
14	82	73	80	99	85	92	87	77	71	67	73	74
15	83	74	82	95	89	91	86	75	71	64	74	74
16	81	73	82	96	91	90	86	75	70	65	74	73
17	81	70	81	98	89	91	86	74	69	64	74	72
18	81	69	83	97	92	93	85	73	68	64	74	73
19	80	68	85	100	90	92	85	73	66	66	74	75
20	80	70	84	95	91	93	84	72	64	66	74	76
21	81	68	86	93	87	95	85	72	63	68	79	78
22	81	67	84	92	85	94	85	74	63	68	75	78
23	80	64	83	94	86	93	85	73	63	68	75	78
24	80	66	84	91	87	94	95	74	64	68	73	79
25	76	69	82	90	89	93	93	73	63	69	74	79
26	76	68	85	94	91	92	86	73	63	70	72	79
27	76	68	83	93	90	92	86	73	64	70	71	81
28	76	70	81	95	89	92	91	73	64	70	71	81
29	76	72	82	101	---	91	87	74	64	70	72	81
30	75	71	83	97	---	91	85	76	64	69	74	82
31	73	---	85	96	---	89	---	75	---	69	72	---
TOTAL	2494	2110	2540	2897	2475	2830	2631	2339	2080	2103	2235	2252
MEAN	80.5	70.3	81.9	93.5	88.4	91.3	87.7	75.5	69.3	67.8	72.1	75.1
MAX	86	74	86	101	96	95	95	82	77	72	79	82
MIN	73	64	75	85	78	88	84	72	63	64	68	71

WTR YR 1986 TOTAL 28986 MEAN 79.4 MAX 101 MIN 63

13117030 BIRCH CREEK AT EIGHT-MILE CANYON ROAD, NEAR RENO, ID

LOCATION.--Lat 44°04'49", long 112°52'30", in NW¼NE¼SE¼ sec. 28 T. 9 N., R.30 E., Clark County, Hydrologic Unit 17040216, U.S. Bureau of Land Management lands, 300 ft downstream from Eight-Mile Canyon road crossing, 5.5 mi downstream from Blue Dome Inn, and 14 mi southeast of Reno.

DRAINAGE AREA.--400 mi^2, approximately.

PERIOD OF RECORD.--June 1967 to September 1981. March 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,770 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 11 to Mar. 17. Records good except for estimated and ice-affected records, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 122 ft^3/s Apr. 18, 1984, gage height, 1.63 ft; minimum recorded, 11 ft^3/s July 5, 1967, gage height, 0.97 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85 ft^3/s Oct. 9, gage height, 1.39 ft; minimum, 41 ft^3/s July 3, gage height, 1.07 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	57	66	74	73	71	72	65	50	44	46	55
2	60	57	74	75	74	72	72	64	51	43	47	55
3	56	58	79	73	73	70	72	62	52	42	47	55
4	57	60	77	71	74	69	75	62	52	42	47	56
5	57	61	76	72	72	68	73	62	52	43	46	55
6	57	61	74	73	70	72	75	63	54	44	47	55
7	55	61	75	72	67	74	75	63	54	44	50	55
8	55	61	74	74	64	72	73	63	54	44	50	55
9	55	61	76	76	60	71	75	63	54	45	50	55
10	58	60	74	77	64	71	73	64	53	46	50	55
11	57	58	72	77	65	72	72	65	54	44	50	55
12	57	59	70	78	67	73	71	65	53	44	51	54
13	58	60	71	78	68	74	71	64	52	44	52	53
14	60	61	71	80	67	76	70	63	52	44	53	53
15	60	61	69	77	69	75	69	62	52	43	54	53
16	58	60	70	78	70	74	67	62	52	44	55	53
17	58	59	71	80	68	75	67	61	51	43	56	52
18	58	58	72	77	69	76	67	60	51	43	57	52
19	57	56	74	78	67	73	67	58	50	43	56	53
20	58	59	72	75	68	73	67	54	49	44	55	55
21	60	58	74	74	65	73	66	53	48	44	55	56
22	61	57	72	73	63	73	66	52	48	44	56	57
23	62	56	71	74	64	71	66	51	47	44	55	57
24	61	58	72	72	65	71	66	52	47	45	55	56
25	57	60	70	70	68	72	66	51	46	45	54	56
26	57	59	71	74	70	70	67	51	46	45	53	55
27	58	58	69	75	68	70	69	50	46	45	53	55
28	58	60	66	76	69	70	70	50	47	45	53	57
29	58	63	70	77	---	70	70	49	47	46	54	57
30	58	62	72	76	---	71	70	49	46	46	54	57
31	57	---	73	74	---	71	---	50	---	46	54	---
TOTAL	1799	1779	2239	2330	1901	2233	2099	1803	1510	1368	1615	1647
MEAN	58.0	59.3	72.2	75.2	67.9	72.0	70.0	58.2	50.3	44.1	52.1	54.9
MAX	62	63	79	80	74	76	75	65	54	46	57	57
MIN	55	56	66	70	60	68	66	49	46	42	46	52
AC-FT	3570	3530	4440	4620	3770	4430	4160	3580	3000	2710	3200	3270

WTR YR 1986 TOTAL 22323 MEAN 61.2 MAX 80 MIN 42 AC-FT 44280

13117360 SAWMILL CREEK ABOVE SUMMIT CREEK, NEAR CLYDE, ID

LOCATION.--Lat 44°13'18", long 113°19'02", in NE¼SE¼SE¼ sec.2, T. 10 N., R. 26 E., Butte County, Hydrologic Unit 17040217, U.S. Bureau of Land Management lands, 1.6 mi upstream from confluence with Summit Creek, and 6.6 mi northwest of Clyde.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--July 1982 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 10 to Dec. 2. Records good except for estimated daily discharges, which are fair. Diversions upstream and bypass channels affect discharge at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 274 ft^3/s May 15, 1984, gage height, 3.62 ft; minimum discharge, 1.5 ft^3/s Aug. 25, 1985, gage height, 1.47 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 263 ft^3/s May 29, gage height, 3.46 ft; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 4, 5, 21-23, May 25 to June 10, July 2, 3, and Sept. 6-30;
stage-discharge relation affected by ice Nov. 10-22)

1.2	.2	2.0	24
1.3	1.1	2.3	50
1.4	2.3	2.7	99
1.6	5.8	3.2	182
1.8	12	3.7	288

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	.00			---	21	46	204	29	5.8	7.0
2	11	11	.00			---	21	58	185	28	5.0	6.5
3	10	11	---			---	18	78	196	30	4.5	6.5
4	10	11	---			---	18	120	170	30	4.3	6.0
5	11	11	---			---	19	109	190	29	4.2	5.8
6	11	11	---			---	21	94	170	26	3.9	6.0
7	11	11	---			---	24	77	148	25	3.8	6.2
8	7.4	11	---			---	30	67	112	23	3.6	7.5
9	6.1	7.2	---			---	30	60	106	22	3.0	9.6
10	7.4	6.7	---			---	32	59	101	20	2.7	8.3
11	9.2	6.0	---			---	34	55	92	18	2.9	8.2
12	9.0	5.5	---			---	36	49	80	16	3.5	8.2
13	8.5	5.8	---			---	31	47	72	15	3.2	8.3
14	9.1	6.0	---			---	27	43	57	14	2.7	9.2
15	8.9	6.1	---			---	24	42	60	14	2.6	14
16	9.1	6.2	---			---	28	39	50	15	2.8	13
17	9.1	5.9	---			---	26	39	44	14	2.6	11
18	9.1	5.6	---			---	21	40	42	14	2.4	11
19	9.2	5.6	---			---	24	50	39	12	2.8	12
20	9.2	5.8	---			---	27	76	36	10	3.1	12
21	9.7	3.2	---			---	39	114	33	9.4	6.3	12
22	10	1.5	---			---	65	116	31	9.2	6.5	11
23	11	.00	---			---	95	103	31	9.2	6.0	11
24	11	.00	---			---	88	94	30	9.1	5.8	11
25	11	.00	---			---	81	107	30	9.3	5.3	12
26	11	.00	---			---	71	134	31	10	5.2	12
27	11	.00	---			---	64	166	31	10	4.6	13
28	11	.00	---			7.0	59	121	30	9.2	4.5	13
29	10	.00	---			9.1	56	192	30	7.7	5.3	13
30	11	.00	---			14	44	180	29	6.9	6.7	13
31	11	---	---			19	---	197	---	6.5	7.4	---
TOTAL	304.0	165.10	---			---	1174	2772	2460	500.5	133.0	297.3
MEAN	9.81	5.50	---			---	39.1	89.4	82.0	16.1	4.29	9.91
MAX	11	11	---			---	95	197	204	30	7.4	14
MIN	6.1	.00	---			---	18	39	29	6.5	2.4	5.8
AC-FT	603	327	---			---	2330	5500	4880	993	264	590

13118700 LITTLE LOST RIVER BELOW WET CREEK, NEAR HOWE, ID

LOCATION.--Lat 44°08'19", long 113°14'39", in NW¼SE¼ sec. 4, T. 9 N., R. 27 E., Butte County, Hydrologic Unit 17040217, U.S. Bureau of Land Management lands, on right bank at Clyde School, 0.6 mi downstream from Wet Creek, 27 mi northwest of Howe.

DRAINAGE AREA.--440 mi^2, approximately.

PERIOD OF RECORD.--January 1958 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 19, 20, Nov. 4, 5, 6, 9-19, 21-30, Dec. 4-6, Dec. 9 to Jan. 14, Jan. 21-27, and Feb. 1-12. Records good except estimated daily discharges, which are fair. Diversions above station for irrigation of about 3,800 acres, of which about 2,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--28 years, 71.1 ft^3/s, 51,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 509 ft^3/s June 16, 1975, gage height, 3.19 ft, but may have been more during period of doubtful gage-height record in 1958; maximum gage height recorded, 5.99 ft Feb. 8, 1979 (ice jam); minimum discharge recorded, 2.8 ft^3/s Dec. 13, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 412 ft^3/s June [illegible], gage height, 3.19 ft; minimum daily, 23 ft^3/s Nov. 24.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
Stage-discharge relation affected by ice Oct. 19, 20, Nov. 4, 5, 6,
Nov. 9 to Dec. 14, Jan. 21-28, Feb. 1-12)

1.2	20	2.0	104
1.4	34	2.4	178
1.6	52	2.8	272
1.8	76	3.2	394

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	39	28	26	31	51	87	116	386	136	70	73
2	63	36	29	26	30	53	84	124	388	133	68	71
3	60	30	29	27	30	55	76	149	389	137	67	70
4	60	36	28	27	29	54	78	185	368	137	67	68
5	62	36	28	25	31	54	80	188	375	132	66	66
6	61	37	29	26	30	55	83	177	351	126	65	65
7	65	39	30	28	29	56	87	165	314	120	64	66
8	62	39	31	29	27	64	96	153	282	119	65	72
9	58	36	28	30	30	58	97	143	248	120	62	79
10	61	28	25	32	34	56	101	144	220	117	61	73
11	63	28	24	31	34	56	109	148	198	114	61	74
12	66	28	24	30	39	56	109	135	186	107	61	73
13	62	30	24	28	42	54	106	129	184	96	60	73
14	62	31	25	27	42	52	95	124	174	92	60	76
15	64	32	25	27	44	51	95	122	175	91	59	93
16	64	32	25	26	44	51	95	121	159	99	58	88
17	65	29	25	27	44	50	91	118	147	96	59	83
18	64	28	25	27	45	50	87	114	140	93	58	83
19	68	28	26	28	45	51	85	121	151	90	58	83
20	70	29	26	28	45	52	87	147	177	85	59	83
21	71	27	27	28	45	55	114	189	172	82	84	82
22	70	24	28	28	45	58	134	206	164	81	80	81
23	58	24	29	30	45	57	161	195	161	82	74	79
24	53	23	28	29	46	55	152	186	121	81	76	79
25	54	25	28	29	48	53	143	190	110	91	68	80
26	54	24	27	28	50	55	136	216	107	94	67	80
27	55	25	26	29	50	60	130	255	105	90	67	83
28	51	26	25	32	50	74	126	291	143	85	67	85
29	43	26	25	31	---	80	124	337	141	79	70	83
30	38	27	25	31	---	87	117	361	137	76	75	82
31	38	---	25	31	---	92	---	372	---	74	74	---
TOTAL	1848	902	827	881	1104	1805	3165	5621	6373	3155	2050	2326
MEAN	59.6	30.1	26.7	28.4	39.4	58.2	106	181	212	102	66.1	77.5
MAX	71	39	31	32	50	92	161	372	389	137	84	93
MIN	38	23	24	25	27	50	76	114	105	74	58	65
AC-FT	3670	1790	1640	1750	2190	3580	6280	11150	12640	6260	4070	4610

CAL YR 1985	TOTAL	23027	MEAN	63.1	MAX	143	MIN	23	AC-FT	45670
WTR YR 1986	TOTAL	30057	MEAN	82.3	MAX	389	MIN	23	AC-FT	59620

13119000 LITTLE LOST RIVER NEAR HOWE, ID

LOCATION.--Lat 43°53'10", long 113°06'00", in NW¼NE¼NW¼ sec. 11, T. 6 N., R. 28 E., Butte County, Hydrologic Unit 17040217, U.S. Bureau of Land Management lands, on left bank 0.2 mi upstream from diversion dam of Blaine County Investment Co., and 7 mi northwest of Howe.

DRAINAGE AREA.--703 mi^2. Mean elevation, 7,370 ft.

PERIOD OF RECORD.--April 1921 to September 1981. May 1985 to current year (no winter records prior to October 1940). Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1637: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,020 ft, by barometer. Prior to Sept. 2, 1938, nonrecording gage at site 120 ft downstream at datum 1.39 ft higher.

REMARKS.--Estimated daily discharges: Nov. 23 to Mar. 6. Records good except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 11,500 acres, of which about 7,600 acres are irrigated by withdrawals from ground water (1966 determination). Diversions 1 mi upstream since Dec. 1984 for winter flood control.

AVERAGE DISCHARGE.--42 years (1941-81, 1986), 77.1 ft^3/s, 55,860 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 450 ft^3/s Aug. 11, 1936, during cloudburst, gage height, 5.4 ft, present site and datum from rating curve extended above 220 ft^3/s; maximum gage height observed, 6.63 ft Jan. 23, 1957 (backwater from ice); minimum discharge observed before construction of bypass, 4.1 ft^3/s Dec. 12, 1940.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 230 ft^3/s June 2; no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	108	39	.00	.00	104	126	163	225	167	100	99
2	115	109	40	.00	.00	108	135	164	230	166	101	99
3	114	108	40	.00	.00	110	126	174	228	161	100	99
4	113	108	28	.00	.00	106	122	193	220	164	100	98
5	112	108	21	.00	00	105	122	210	216	161	99	97
6	111	109	16	.00	.00	104	127	207	212	156	100	98
7	112	108	11	.00	.00	106	128	207	205	149	100	100
8	117	109	5.9	.00	.00	120	136	193	202	147	96	97
9	113	106	3.2	.00	15	120	139	181	190	154	99	109
10	113	103	1.7	.00	17	118	142	176	173	154	98	109
11	117	103	.00	.00	29	114	147	179	158	149	97	101
12	117	96	.00	.00	51	112	150	179	148	145	98	98
13	118	93	.00	.00	70	110	151	176	149	134	98	96
14	118	91	.00	.00	80	107	145	175	143	128	94	100
15	118	97	.00	.00	84	106	144	173	150	122	93	100
16	118	107	.00	.00	85	110	144	173	143	123	92	100
17	116	110	.00	.00	85	107	145	172	137	124	93	105
18	116	110	.00	.00	85	106	141	169	132	120	92	109
19	116	95	.00	.00	88	107	139	167	129	120	91	108
20	116	86	.00	.00	89	106	137	168	152	114	94	100
21	118	87	.00	.00	88	106	145	172	154	112	102	102
22	125	84	.00	.00	88	108	164	193	152	111	118	103
23	123	67	.00	.00	90	108	181	196	150	111	106	102
24	123	58	.00	.00	98	108	190	187	141	111	109	102
25	121	60	.00	.00	100	107	184	184	145	109	102	102
26	120	53	.00	.00	102	107	187	186	146	122	99	104
27	120	40	.00	.00	103	110	184	193	140	117	97	102
28	120	36	.00	.00	102	114	180	204	161	114	95	112
29	119	37	.00	.00	---	119	173	214	170	106	97	113
30	111	38	.00	.00	---	125	168	219	167	103	99	111
31	110	---	.00	.00	---	121	---	221	---	101	99	---
TOTAL	3611	2624	205.80	.00	1549.00	3419	4502	5768	5068	4075	3056	3075
MEAN	116	87.5	6.64	.00	55.3	110	150	186	169	131	98.6	103
MAX	125	110	40	.00	103	125	190	221	230	167	118	113
MIN	110	36	.00	.00	.00	104	122	163	129	101	91	96
AC-FT	7160	5200	408	.00	3070	6780	8930	11440	10050	8080	6060	6100

WTR YR 1986 TOTAL 36852.80 MEAN 101 MAX 230 MIN .00 AC-FT 73300

13120000 NORTH FORK BIG LOST RIVER AT WILD HORSE, NEAR CHILLY, ID

LOCATION.--Lat 43°55'58", long 114°06'47", in NE¼SE¼ sec. 17, T. 7 N., R. 20 E., Custer County, Hydrologic Unit 17040218, in Challis National Forest, on right bank 0.2 mi upstream from East Fork, 2 mi downstream from Wild Horse damsite, and 16 mi southwest of Chilly.

DRAINAGE AREA.--114 mi^2. Mean elevation, 8,540 ft.

PERIOD OF RECORD.--March 1944 to current year. Prior to October 1967, published as "Big Lost River at Wild Horse, near Chilly."

GAGE.--Water-stage recorder. Elevation of gage is 6,820 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 29, 30, Jan. 1, 5, 13, 22, 23, 26, which are ice affected. Records good. There are several small ranch diversions upstream for local irrigation.

AVERAGE DISCHARGE.--42 years, 108 ft^3/s, 12.86 in./yr, 78,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,440 ft^3/s May 30, June 1, 1986, gage height, 5.85 ft; minimum, 5.1 ft^3/s Mar. 20, 21, 1983, gage height, 1.07 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	1230	366	3.49	May 30	0415	*1440	*5.85
May 21	1630	502	3.85	June 14	2345	856	4.23

Minimum discharge, 14 ft^3/s Feb. 7, gage height, 1.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	53	36	29	32	43	107	166	1360	263	99	60
2	66	53	37	30	31	45	103	191	1220	256	97	61
3	64	51	40	34	31	46	95	261	1240	261	96	59
4	63	51	35	29	29	46	92	355	1250	256	94	56
5	62	51	39	28	30	46	93	338	1160	223	91	54
6	62	49	38	34	32	47	100	302	914	195	88	52
7	65	50	40	31	27	49	117	261	726	182	82	52
8	63	50	40	33	32	56	125	228	612	181	84	56
9	53	38	38	34	32	52	122	205	517	184	81	65
10	55	36	32	34	34	51	129	202	471	174	78	64
11	58	42	32	33	34	50	135	183	501	172	77	61
12	58	42	38	31	32	48	135	170	560	171	74	58
13	54	41	40	29	33	47	125	170	554	165	71	56
14	54	40	38	30	33	45	114	166	580	164	69	57
15	55	39	36	33	34	46	112	163	572	168	67	60
16	55	45	38	34	33	48	109	164	540	168	66	62
17	54	45	38	35	33	46	104	166	547	155	65	60
18	53	42	38	35	32	44	100	183	549	145	64	61
19	53	34	38	35	31	44	99	240	491	135	63	61
20	52	32	37	36	34	44	115	330	414	134	65	61
21	56	32	36	31	34	46	165	471	356	130	76	58
22	57	30	36	31	34	48	240	410	333	132	78	56
23	57	30	36	33	33	49	292	346	349	132	73	55
24	57	30	36	32	35	51	286	319	360	127	72	55
25	57	32	36	32	37	50	265	357	352	129	66	56
26	57	32	34	32	39	51	231	529	342	131	64	56
27	56	33	34	34	38	54	203	903	336	124	62	58
28	56	33	33	36	40	64	187	1120	332	115	61	56
29	[illegible]	35	32	35	---	84	179	1220	322	109	60	54
30	[illegible]	36	30	33	---	97	165	1320	286	107	62	55
31	52	---	30	33	---	109	---	1300	---	103	61	---
TOTAL	1779	1207	1121	1009	929	1646	4444	12739	18146	5091	2306	1735
MEAN	57.4	40.2	36.2	32.5	33.2	53.1	148	411	605	164	74.4	57.8
MAX	68	53	40	36	40	109	292	1320	1360	263	99	65
MIN	52	30	30	28	27	43	92	163	286	103	60	52
CFSM	.50	.35	.32	.28	.29	.47	1.30	3.61	5.31	1.44	.65	.51
IN.	.58	.39	.37	.33	.30	.54	1.45	4.16	5.92	1.66	.75	.57
AC-FT	3530	2390	2220	2000	1840	3260	8810	25270	35990	10100	4570	3440

CAL YR 1985	TOTAL	30867	MEAN	84.6	MAX	315	MIN	19	CFSM .74	IN.	10.07	AC-FT 61220
WTR YR 1986	TOTAL	52152	MEAN	143	MAX	1360	MIN	27	CFSM 1.25	IN.	17.02	AC-FT 103400

13120500 BIG LOST RIVER AT HOWELL RANCH, NEAR CHILLY, ID

LOCATION.--Lat 43°58'54", long 114°01'12", in NE¼NW¼ sec. 30, T. 8 N., R. 21 E., Custer County, Hydrologic Unit 17040218, on left bank at Howell Ranch, 2.1 mi downstream from Burnt Creek, 7.7 mi downstream from East Fork, 9 mi southwest of Chilly, and 21 mi northwest of Mackay.

DRAINAGE AREA.--450 mi^2. Mean elevation, 8,590 ft.

PERIOD OF RECORD.--April 1904 to November 1914, May 1920 to current year (no winter records 1904, 1906-14, 1920-48).

REVISED RECORDS.--WSP 1287: Drainage area. WSP 1317: 1905.

GAGE.--Water-stage recorder. Datum of gage is 6,621.95 ft above National Geodetic Vertical Datum of 1929. See WSP 1737 for history of changes prior to June 11, 1920.

REMARKS.--Estimated daily discharges: Oct. 1-22, Nov. 3-15, Nov. 17 to Mar. 24, Mar. 31 to Apr. 15, and July 8 to Aug. 6. Records good except estimated daily discharges, which are fair. No regulation. Diversions above station for irrigation of about 3,000 acres (1966 determination).

AVERAGE DISCHARGE.--39 years (1905, 1949-86), 336 ft^3/s, 10.14 in./yr, 243,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft^3/s May 25, 1967, gage height, 6.02 ft; minimum observed, 19 ft^3/s Dec. 12, 1939 (discharge measurement).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	0530	1040	3.07	June 4	0430	*3860	*5.48
May 21	1230	1360	3.46	June 15	0400	2180	4.22

Minimum daily discharge, 90 ft^3/s Feb. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	158	128	101	114	141	270	439	3570	900	330	198
2	192	158	132	106	107	143	258	516	3380	883	320	205
3	185	154	140	115	104	142	245	743	3530	923	315	196
4	182	152	136	110	100	141	235	990	3620	901	310	183
5	180	150	134	103	105	144	245	842	3410	765	300	175
6	180	149	142	105	106	148	265	760	2840	665	290	169
7	188	148	146	108	90	154	285	681	2330	621	279	167
8	185	146	144	114	100	159	320	608	1890	615	284	176
9	154	116	128	117	105	147	315	562	1650	610	272	204
10	156	104	116	116	114	145	328	569	1440	585	269	201
11	168	132	114	113	115	138	344	538	1610	565	262	187
12	168	131	116	108	113	132	348	502	1860	570	248	175
13	158	130	144	106	116	124	318	498	1850	550	236	168
14	161	130	140	111	116	116	295	493	1940	545	220	165
15	164	128	128	118	120	120	275	483	2010	558	226	192
16	158	149	132	122	118	124	280	480	1910	555	221	202
17	154	151	138	126	116	118	268	482	1910	515	217	184
18	148	140	137	128	113	112	257	511	1940	480	214	186
19	138	118	136	129	109	109	256	631	1760	455	212	185
20	132	105	132	130	121	108	299	901	1440	450	220	185
21	138	102	125	120	122	110	429	1320	1260	432	263	181
22	140	94	122	112	123	112	602	1170	1180	438	284	174
23	141	92	122	116	118	116	787	972	1230	438	257	169
24	143	93	123	114	122	120	721	859	1300	415	250	168
25	146	96	122	115	125	136	644	985	1280	430	225	171
26	146	100	118	118	128	139	564	1460	1240	425	223	170
27	148	108	116	122	132	153	510	2250	1200	408	212	177
28	149	115	112	128	135	179	483	2880	1160	382	208	177
29	145	125	109	124	---	214	475	3100	1140	365	202	171
30	154	126	106	120	---	232	435	3400	981	353	217	177
31	148	---	103	117	---	275	---	3400	---	346	205	---
TOTAL	4945	3800	3941	3592	3207	4451	11356	34025	57861	17143	7800	5438
MEAN	160	127	127	116	115	144	379	1098	1929	553	252	181
MAX	196	158	146	130	135	275	787	3400	3620	923	330	205
MIN	132	92	103	101	90	108	235	439	981	346	202	165
AC-FT	9810	7540	7820	7120	6360	8830	22520	67490	114800	34000	15470	10790

CAL YR 1985	TOTAL	93252	MEAN	255	MAX	1070	MIN	80	AC-FT	185000
WTR YR 1986	TOTAL	157558	MEAN	432	MAX	3620	MIN	90	AC-FT	312500

13126000 MACKAY RESERVOIR NEAR MACKAY, ID

LOCATION.--Lat 43°57'05", long 113°40'28", in NW¼NE¼SW¼ sec.12, T.7 N., R.23 E., Custer County, Hydrologic Unit 17040218, on gate-control tower of Mackay Dam on Big Lost River, and 4 mi northwest of Mackay.

DRAINAGE AREA.--788 mi^2.

PERIOD OF RECORD.--January 1919 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,000 ft, Utah Construction Co. datum, or 6,000.4 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 15, 1959, nonrecording gage at same site and datum.

REMARKS.--Estimated daily contents: Oct. 16-18, 30, 31, Dec. 27 to Jan. 1. Reservoir is formed by earth- and rock-fill dam, which was reconstructed in 1917-18; storage impounded by original dam not recorded. Crest of spillway was raised 5 ft in September 1956. Capacity is 44,370 acre-ft between gage heights 7.0 and 66.5 ft, crest of spillway. Dead storage reported to be about 125 acre-ft. Water is used for irrigation of about 33,000 acres in Big Lost River irrigation district. About 12,700 acres irrigated from Big Lost River and tributaries above reservoir by surface diversions, and about 10,200 acres irrigated by subirrigation. Considerable seepage around dam because of its porous foundation, but the greater part of this water returns to Big Lost River between reservoir and station below reservoir, near Mackay. Prior to Oct. 1, 1959, contents below 1,000 acre-ft may be in error at times, as readings at gage were too low because of fall in outlet channel. Figures given herein represent usable contents.

COOPERATION.--Capacity table furnished by Water District 34.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 46,070 acre-ft May 14, 1976, gage height, 67.73 ft; no available contents during periods in 1919-20, 1924, 1926, 1929, 1931-35, 1974; minimum gage height observed, 6.3 ft Aug. 5, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 45,400 acre-ft June 11, gage height, 67.22 ft; minimum, 194 acre-ft Sept. 30, gage height, 8.15 ft.

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1240	2660	14000	21600	27000	31300	38800	44000	44600	44000	30400	11700
2	1040	3200	14300	21800	27200	31400	39200	44000	44700	43800	29800	11500
3	925	3730	14500	22000	27400	31600	39500	44100	44600	43800	29200	11300
4	812	4270	14800	22200	27500	31800	39800	44500	44800	44100	28500	11000
5	795	4750	15100	22400	27700	31900	40200	44500	44900	44200	27800	10700
6	795	5210	15400	22600	27800	32100	40500	44500	44400	44200	26300	10400
7	795	5680	15600	22800	28000	32400	40900	44300	43700	44200	25400	10100
8	800	6160	15900	23000	28100	32700	41300	44000	43300	43900	24600	9890
9	788	6630	16100	23200	28300	32900	41700	43600	43700	43400	23700	9680
10	788	7070	16300	23400	28400	33200	42000	43400	44900	42900	22800	9200
11	792	7480	16300	23500	28600	33400	42200	43000	45300	42500	22000	8600
12	792	7860	16300	23700	28800	33600	42400	42800	44900	42200	21200	8040
13	782	8240	16400	23900	28800	33900	42500	42800	44400	41800	20400	7480
14	782	8610	16900	24100	29000	34200	42600	43000	44100	41400	19600	7010
15	661	8970	17500	24200	29200	34400	42600	43200	44100	41100	18900	6630
16	661	9320	17800	24400	29300	34600	42700	43400	44200	40900	18100	6250
17	661	9690	18100	24600	29500	34900	42700	43500	44400	40400	17400	5900
18	661	10100	18300	24800	29600	35100	42600	43700	44600	39800	16800	5540
19	2750	10400	18600	25000	29800	35300	42500	43700	44700	39200	16200	5210
20	2680	10700	18800	25100	29900	35600	42400	43600	44400	38600	15600	4900
21	2000	11000	19000	25300	30100	35800	42400	43600	43800	37700	15200	4630
22	1350	11300	19200	25400	30200	36000	42500	43500	44900	36800	14700	4300
23	1020	11600	19500	25600	30300	36300	42900	43400	43800	35900	14300	3900
24	731	11900	19700	25800	30500	36500	43400	43100	44200	35100	13800	3490
25	601	12300	19900	25900	30700	36800	43900	42900	44500	34400	13500	3020
26	549	12600	20100	26100	30800	37000	44000	42900	44600	33800	13100	2380
27	525	12900	20300	26300	31000	37300	44200	43800	44700	33100	12800	1820
28	492	13100	20600	26400	31100	37500	44200	44500	44600	32600	12500	1350
29	488	13400	20800	26600	---	37800	44100	44500	44500	32000	12300	922
30	488	13700	21100	26700	---	38200	44000	44600	44300	31500	12100	194
31	488	---	21300	26900	---	38400	---	44600	---	30900	11900	---
MEAN	927	8820	17700	24400	29100	34600	42200	43700	44400	39400	19400	6570
MAX	2750	13700	21300	26900	31100	38400	44200	44600	45300	44200	30400	11700
MIN	488	2660	14000	21600	27000	31300	38800	42800	43300	30900	11900	194
(†)	9.58	37.32	46.50	52.13	55.98	62.03	66.22	66.64	66.42	55.80	34.76	8.15
(‡)	-772	13212	7600	5600	4200	7300	5600	600	-300	-13400	-19000	-11706

CAL YR 1985 ....(‡) -8520
WTR YR 1986 ....(‡) -1066

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13127000 BIG LOST RIVER BELOW MACKAY RESERVOIR, NEAR MACKAY, ID

LOCATION.--Lat 43°56'20", long 113°38'50", in SW¼NE¼ sec. 18, T. 7 N., R. 24 E., Custer County, Hydrologic Unit 17040218, on left bank 1.4 mi downstream from head of Sharp ditch, 1.6 mi downstream from Mackay Reservoir, and 2.5 mi northwest of Mackay.

DRAINAGE AREA.--813 mi^2.

PERIOD OF RECORD.--December 1903 to August 1906, and May 1912 to March 1915 (published as "near Mackay"), January 1919 to current year.

REVISED RECORDS.--WSP 1347: 1904-6.

GAGE.--Water-stage recorder. Datum of gage is 5,946.39 ft above National Geodetic Vertical Datum of 1929. Nonrecording gage prior to May 12, 1912, and June 5, 1912, to Apr. 28, 1913, at sites within 1 mi upstream at different datums, May 12 to June 4, 1912, at site 1.5 mi upstream (above Sharp ditch) at different datum, Apr. 29, 1913, to Mar. 15, 1915, at site 1 mi downstream (below Streeter ditch) at different datum.

REMARKS.--Estimated daily discharges: Nov. 21 to Dec. 3, Dec. 17 to Jan. 14. Records good except for periods of estimated discharge, which are fair. Flow completely regulated by Mackay Reservoir (see sta 13126000). Sharp ditch is only diversion between station and reservoir; about 12,700 acres of land are irrigated by diversions from river and tributaries above reservoir by surface diversions, and 10,200 acres irrigated by subirrigation.

AVERAGE DISCHARGE.--70 years (water years 1905, 1913-14, 1920-86), 316 ft^3/s, 228,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,990 ft^3/s June 10, 1921, June 6, 1986; maximum gage height, 6.08 ft June 6, 1986; minimum, 16 ft^3/s Oct. 27, 1967 gage height, 1.11 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,990 ft^3/s June 6, gage height, 6.08 ft; minimum, 42 ft^3/s Oct. 17, gage height, 1.48 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 17, 18, 31, Nov. 3, 4, 7-12, Mar. 14 to Apr. 9, June 23 to Sept. 30)

1.2	31	3.0	633
1.5	64	4.0	1305
2.0	163	5.0	2040
2.5	356	6.1	3010

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	368	58	74	111	92	123	131	453	2660	956	608	343
2	377	72	73	110	92	124	131	450	2840	859	634	336
3	372	50	74	113	96	124	131	459	2840	714	648	375
4	345	55	75	111	121	123	132	558	2870	562	655	398
5	332	58	75	110	121	123	133	681	2940	569	695	393
6	331	58	75	111	121	123	133	745	2870	579	721	387
7	335	53	74	112	121	122	134	827	2610	560	745	383
8	335	50	74	111	121	124	136	815	2170	645	747	380
9	335	49	73	111	121	123	136	773	1500	761	737	377
10	331	50	73	112	121	123	182	755	863	753	716	492
11	331	52	78	111	121	123	262	749	1230	687	690	552
12	334	53	96	110	121	123	310	630	1760	642	669	537
13	327	56	97	108	121	122	311	436	1910	641	643	526
14	324	57	99	108	121	121	337	357	1830	641	624	516
15	327	60	99	106	123	121	352	356	1780	580	605	506
16	185	63	100	106	123	123	353	358	1650	558	591	500
17	44	65	100	106	123	123	356	361	1540	633	574	488
18	68	70	100	106	124	123	355	362	1600	674	559	484
19	179	72	101	104	123	123	354	436	1640	719	546	480
20	339	75	102	102	121	123	352	603	1600	735	530	463
21	509	73	101	101	121	125	351	801	1520	811	522	452
22	529	74	106	100	123	126	351	890	1330	887	507	473
23	449	69	107	100	123	126	351	882	954	859	496	500
24	387	70	106	99	124	126	354	876	828	833	490	494
25	358	73	107	99	125	126	363	869	886	788	470	504
26	340	72	105	97	125	126	453	869	940	756	450	532
27	333	73	105	97	126	128	486	936	1010	750	429	545
28	331	73	104	97	124	128	538	1610	1030	665	403	518
29	324	74	107	95	---	128	566	2220	1010	660	384	465
30	240	73	107	94	---	128	496	2440	991	662	368	279
31	47	---	104	93	---	129	---	2580	---	634	353	---
TOTAL	9766	1900	2871	3251	3339	3853	9030	26137	51202	21773	17809	13678
MEAN	315	63.3	92.6	105	119	124	301	843	1707	702	574	456
MAX	529	75	107	113	126	129	566	2580	2940	956	747	552
MIN	44	49	73	93	92	121	131	356	828	558	353	279
AC-FT	19370	3770	5690	6450	6620	7640	17910	51840	101600	43190	35320	27130

CAL YR 1985 TOTAL 120191 MEAN 329 MAX 925 MIN 44 AC-FT 238400
WTR YR 1986 TOTAL 164609 MEAN 451 MAX 2940 MIN 44 AC-FT 326500

13132500 BIG LOST RIVER NEAR ARCO, ID

LOCATION.--Lat 43°35'00", long 113°16'10", in SW¼ sec. 17, T. 3 N., R. 27 E., Butte County, Hydrologic Unit 17040218, on right bank 0.4 mi downstream from slough entering from left bank, and 4 mi southeast of Arco.

DRAINAGE AREA.--1,410 mi^2, approximately.

PERIOD OF RECORD.--August 1946 to September 1961, May 1966 to September 1980, March 1981 to September 1981, May 1982 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,240 ft, by barometer. Prior to Oct. 14, 1952, at site 800 ft upstream at datum 3.08 ft higher.

REMARKS.--Estimated daily discharges: Nov. 12-14, 21-29, Dec. 1, 2, 5, 6, Dec. 10 to Feb. 4, Feb. 7-13, 22, 23, Mar. 16, 17, 25, 26. Records good except for periods with ice effect, which are fair. Flow regulated by Mackay Reservoir (see sta 13126000). Station is below all large diversions for irrigation in Big Lost River valley. About 57,500 acres of land irrigated by diversions from river and tributaries and by ground-water withdrawals above station. About 10,200 acres irrigated by subirrigation above Mackay Reservoir.

AVERAGE DISCHARGE.--33 years (water years 1947-61, 1967-80, 1983-86), 121 ft^3/s, 87,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft^3/s July 5, 1967, gage height, 7.68 ft; no flow on many days.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1965, reached a stage of 8.03 ft, from floodmarks, discharge, 2,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,860 ft^3/s June 9, gage height, 7.26 ft; minimum, 1.5 ft^3/s July 22, gage height, 2.14 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	111	37	21	31	88	140	357	865	282	42	180
2	236	92	35	18	30	90	155	327	1030	256	29	189
3	234	84	36	19	29	88	152	312	1240	223	18	200
4	226	71	37	18	28	85	146	321	1360	177	22	209
5	214	60	31	14	34	83	142	406	1420	131	17	226
6	204	52	32	16	38	83	140	438	1520	105	14	221
7	204	50	33	21	37	83	143	475	1660	79	13	227
8	214	48	35	17	35	94	160	507	1780	51	17	236
9	220	46	31	19	34	103	155	491	1750	50	19	254
10	232	47	29	20	35	106	153	474	1310	86	17	273
11	234	46	28	17	36	107	158	482	709	103	22	312
12	226	48	32	16	35	105	180	476	651	79	27	359
13	214	51	34	15	38	104	209	436	893	57	27	368
14	206	53	32	15	41	101	221	366	1090	43	21	382
15	204	56	33	16	53	98	232	307	1120	32	21	394
16	200	58	32	16	55	94	243	271	1100	26	26	389
17	160	59	33	21	57	93	251	225	967	16	26	375
18	97	56	35	19	64	96	252	200	839	8.8	31	379
19	77	58	33	18	74	99	253	181	777	5.7	26	391
20	92	56	33	21	71	98	252	168	800	6.8	30	394
21	150	52	32	18	67	95	255	190	795	5.6	49	383
22	225	48	30	16	63	95	266	303	764	2.7	67	373
23	255	33	32	21	65	95	287	352	690	31	115	375
24	247	38	29	20	67	95	306	314	495	50	124	388
25	228	34	30	18	72	92	316	258	380	62	124	377
26	216	39	26	19	79	97	329	240	305	81	130	381
27	203	41	25	20	84	99	345	205	295	79	124	396
28	196	42	23	23	87	99	359	192	305	95	109	412
29	192	43	24	26	---	103	376	375	305	91	116	405
30	194	39	22	30	---	112	386	547	297	68	169	386
31	171	---	19	33	---	121	---	673	---	57	178	---
TOTAL	6223	1611	953	599	1439	3001	6962	10869	27512	2439.6	1770	9834
MEAN	201	53.7	30.7	19.3	51.4	96.8	232	351	917	78.7	57.1	328
MAX	255	111	37	33	87	121	386	673	1780	282	178	412
MIN	77	33	19	14	28	83	140	168	295	2.7	13	180
AC-FT	12340	3200	1890	1190	2850	5950	13810	21560	54570	4840	3510	19510

CAL YR 1985 TOTAL 44077.33 MEAN 121 MAX 401 MIN .00 AC-FT 87430
WTR YR 1986 TOTAL 73212.8 MEAN 201 MAX 1780 MIN 2.7 AC-FT 145200

13132513 INEL DIVERSION AT HEAD NEAR ARCO, ID

LOCATION.--Lat 43°30'50", long 113°05'00" in NE¼NW¼SE¼, sec. 11, T. 2 N., R. 28 E., Butte County, Hydrologic Unit 17040218, on left bank 0.05 mi south of head of INEL diversion, 0.4 mi north of intersection of gravel road from highway 20-26 and road on top of dike, and 13.2 mi southwest of Arco.

PERIOD OF RECORD.--1965-67 (discharge measurements only); July 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5000.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Geological Survey).

REMARKS.--Estimated daily discharges: May 23-27. Records good except for period of estimated discharge, which is fair. Flow is regulated by Mackay Reservoir (see sta 13126000) and is diverted from the Big Lost River for purposes of flood control at the INEL facilities.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,290 ft^3/s June 9, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,290 ft^3/s June 9; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

50.00	0	53.00	840
51.00	88	54.00	1080
52.00	300	55.00	1660

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	119	411	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	90	538	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	73	714	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	73	826	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	79	876	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	85	953	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	118	1090	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	138	1210	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	144	1290	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	139	885	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	138	332	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	138	225	.00	.00	7.8
13	.00	.00	.00	.00	.00	.00	.00	115	413	.00	.00	18
14	.00	.00	.00	.00	.00	.00	.00	56	600	.00	.00	26
15	.00	.00	.00	.00	.00	.00	.11	6.9	638	.00	.00	41
16	.00	.00	.00	.00	.00	.00	3.9	.04	629	.00	.00	42
17	.00	.00	.00	.00	.00	.00	9.5	.00	522	.00	.00	36
18	.00	.00	.00	.00	.00	.00	13	.00	412	.00	.00	38
19	.00	.00	.00	.00	.00	.00	16	.00	346	.00	.00	45
20	.00	.00	.00	.00	.00	.00	16	.00	363	.00	.00	54
21	.00	.00	.00	.00	.00	.00	16	.00	362	.00	.00	52
22	.00	.00	.00	.00	.00	.00	22	.00	340	.00	.00	45
23	.00	.00	.00	.00	.00	.00	39	12	294	.00	.00	42
24	.00	.00	.00	.00	.00	.00	59	3.0	133	.00	.00	52
25	.00	.00	.00	.00	.00	.00	71	.90	43	.00	.00	49
26	.00	.00	.00	.00	.00	.00	81	.00	.57	.00	.00	50
27	.00	.00	.00	.00	.00	.00	91	.00	.00	.00	.00	59
28	.00	.00	.00	.00	.00	.00	103	.00	.00	.00	.00	75
29	.00	.00	.00	.00	---	.00	114	21	.00	.00	.00	72
30	.00	.00	.00	.00	---	.00	128	142	.00	.00	.00	62
31	.00	---	.00	.00	---	.00	---	246	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	.00	782.51	1936.84	14445.57	.00	.00	865.80
MEAN	.00	.00	.00	.00	.00	.00	26.1	62.5	482	.00	.00	28.9
MAX	.00	.00	.00	.00	.00	.00	128	246	1290	.00	.00	75
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	1550	3840	28650	.00	.00	1720

CAL YR 1985	TOTAL	14329.90	MEAN	39.3	MAX	392	MIN	.00	AC-FT	28420
WTR YR 1986	TOTAL	18030.72	MEAN	49.4	MAX	1290	MIN	.00	AC-FT	35760

13132515 INEL DIVERSION AT OUTLET OF SPREADING AREA A, NEAR ARCO, ID

LOCATION.--Lat 43°29'45", long 113°04'19", in NE¼SW¼SW¼, sec. 13, T.2 N., R.28 E., Butte County, Hydrologic Unit 17040218, on left bank 1.4 mi south of head of INEL diversion, 0.05 mi south of outlet of spreading area A, and 14.5 mi south of Arco.

PERIOD OF RECORD.--1965-67 (discharge measurements only); June 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5000.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Geological Survey).

REMARKS.--Estimated daily discharges: May 30 to June 2. Records good except for period of estimated discharge which is fair. Flow is regulated by Mackay Reservoir (see sta 13126000) and is diverted from the Big Lost River at the INEL Diversion at Head (see sta 13132513) for purposes of flood control at the INEL site.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 989 ft^3/s/ June 9, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 989 ft^3/s June 9; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

36.50	0	38.50	201
37.00	19	39.00	313
37.50	51	40.00	581
38.00	108	41.00	912
		41.50	1088

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	74	200	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	61	350	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	46	456	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	39	597	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	40	684	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	40	756	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	53	841	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	73	919	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	93	989	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	97	919	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	100	570	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	98	301	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	91	276	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	57	409	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	23	503	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	5.3	532	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	497	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	414	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	337	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	313	.00	.00	2.8
21	.00	.00	.00	.00	.00	.00	.00	.00	312	.00	.00	7.3
22	.00	.00	.00	.00	.00	.00	.00	.00	303	.00	.00	9.7
23	.00	.00	.00	.00	.00	.00	.00	.00	282	.00	.00	10
24	.00	.00	.00	.00	.00	.00	.00	.00	196	.00	.00	13
25	.00	.00	.00	.00	.00	.00	2.4	.00	83	.00	.00	16
26	.00	.00	.00	.00	.00	.00	15	.00	29	.00	.00	14
27	.00	.00	.00	.00	.00	.00	32	.00	7.0	.00	.00	16
28	.00	.00	.00	.00	.00	.00	45	.00	.08	.00	.00	21
29	.00	.00	.00	.00	---	.00	59	.00	.00	.00	.00	26
30	.00	.00	.00	.00	---	.00	67	3.0	.00	.00	.00	28
31	.00	---	.00	.00	---	.00	---	70	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	.00	220.40	1063.30	12075.08	.00	.00	163.80
MEAN	.00	.00	.00	.00	.00	.00	7.35	34.3	403	.00	.00	5.46
MAX	.00	.00	.00	.00	.00	.00	67	100	989	.00	.00	28
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	437	2110	23950	.00	.00	325

CAL YR 1985	TOTAL	11704.18	MEAN	32.1	MAX	356	MIN	.00	AC-FT	23220
WTR YR 1986	TOTAL	13522.58	MEAN	37.0	MAX	989	MIN	.00	AC-FT	26820

13132520 BIG LOST RIVER BELOW INEL DIVERSION, NEAR ARCO, ID

LOCATION.--Lat 43°30'57", long 113°04'52", in SE¼SW¼NE¼ sec. 11, T. 2 N., R. 28 E., Butte County, Hydrologic Unit 17040218, on right bank 0.2 mi north of the head of the INEL diversion, 4.5 mi south of State Highway 20-26 bridge over the Big Lost River, and 13.2 mi southeast of Arco.

PERIOD OF RECORD.--1965-67 (discharge measurements only); June 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5000.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Geological Survey).

REMARKS.--Estimated daily discharges: Oct. 22-27, Oct. 31 to Nov. 3, Nov. 12 to Jan. 4, Feb. 5 to Mar. 3, Mar. 16, 18, 25-27, May 24 to Aug. 11, Sept. 7-24. Records fair except for periods of estimated daily discharges, which are poor. Flow regulated by Mackay Reservoir (see sta 13126000) and INEL diversion (see sta 13132513). Station is below all diversions for irrigation in the Big Lost River Valley and is below the Idaho National Engineering Laboratory diversion for flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 460 ft^3/s June 10, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 460 ft^3/s June 10; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 12 to Jan. 4, Mar. 16-18, and 25-27)

41.70	0	43.00	157
42.00	13	43.50	272
42.50	73	44.00	427
		44.50	625

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	110	6.2	1.3	.00	68	95	244	392	280	12	156
2	239	85	5.0	1.1	.00	62	121	240	405	230	7.0	159
3	229	70	4.0	1.0	.00	55	127	232	420	200	4.0	167
4	231	59	3.2	.60	.00	44	125	235	430	165	2.0	172
5	216	49	2.6	.00	1.5	36	123	286	440	130	2.5	182
6	203	39	3.1	.00	2.1	37	120	351	435	100	2.2	176
7	203	38	3.7	.00	2.9	38	118	361	430	70	1.8	180
8	215	38	4.2	.00	3.8	41	129	370	435	45	1.5	190
9	221	27	3.3	.00	4.8	53	134	374	390	30	3.0	210
10	238	24	2.5	.00	6.6	60	134	377	460	50	5.2	230
11	240	26	2.0	.00	7.4	65	134	379	410	68	4.0	260
12	239	27	2.2	.00	11	64	146	375	385	66	6.0	295
13	218	28	2.4	.00	14	63	176	372	410	40	8.5	315
14	207	28	2.9	.00	17	62	189	362	430	25	9.5	305
15	193	29	3.3	.00	20	60	193	333	435	15	9.3	310
16	186	29	3.6	.00	21	59	203	290	430	10	12	315
17	171	29	3.8	.00	24	58	221	228	425	6.0	12	315
18	105	28	4.1	.00	33	59	222	197	420	4.0	14	320
19	80	29	3.9	.00	43	61	221	157	410	2.5	18	325
20	75	28	3.7	.00	40	65	220	135	405	1.7	14	330
21	113	18	3.5	.00	38	62	222	151	405	2.0	19	325
22	180	5.0	3.1	.00	36	62	226	253	402	1.5	37	320
23	240	1.3	2.8	.00	39	62	229	302	400	1.0	76	315
24	240	2.0	2.6	.00	43	64	232	292	375	4.0	112	315
25	215	2.9	2.3	.00	49	62	236	248	340	10	116	312
26	200	3.7	2.1	.00	58	60	238	218	300	30	110	311
27	185	5.1	2.0	.00	66	64	238	198	280	35	104	31
28	172	7.2	1.8	.00	67	67	239	170	290	45	87	32
29	167	9.4	1.6	.00	---	67	243	245	295	60	81	32
30	166	7.6	1.5	.00	---	72	243	350	290	40	134	31
31	164	---	1.4	.00	---	81	---	375	---	24	149	---
TOTAL	5997	882.2	94.4	4.00	648.10	1833	5497	8700	11774	1790.7	1171.5	8086
MEAN	193	29.4	3.05	.13	23.1	59.1	183	281	392	57.8	37.8	270
MAX	246	110	6.2	1.3	67	81	243	379	460	280	149	330
MIN	75	1.3	1.4	.00	.00	36	95	135	280	1.0	1.5	156
AC-FT	11900	1750	187	7.9	1290	3640	10900	17260	23350	3550	2320	16040

CAL YR 1985 TOTAL 22160.06 MEAN 60.7 MAX 385 MIN .00 AC-FT 43950
WTR YR 1986 TOTAL 46477.90 MEAN 127 MAX 460 MIN .00 AC-FT 92190

13132535 BIG LOST RIVER AT LINCOLN AVENUE BRIDGE, NEAR ATOMIC CITY, ID

LOCATION.--Lat 43°34'26", long 112°56'33", in SE¼SW¼NE¼ sec. 24, T. 3 N., R. 29 E., Butte County, Hydrologic Unit 17040218, on left bank 2.6 mi north of Lincoln Boulevard-Portland Avenue intersection, and 18.5 mi southeast of Arco.

PERIOD OF RECORD.--1965-67 (discharge measurements only); July 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4900.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Geological Survey).

REMARKS.--Estimated daily discharges: Nov. 10-22, Feb. 15-28, Mar. 1-4, 10-12, July 15-24, and Aug. 2. Records good except for periods of estimated discharges, which are fair. Flow regulated by Mackay Reservoir (see sta 13126000) and INEL diversion (see sta 13132513). Station is below all diversions for irrigation in the Big Lost River Valley and is below the Idaho National Engineering Laboratory diversion for flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 393 ft³/s June 10, 1986, gage height, 15.91 ft; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 393 ft³/s June 10, gage height, 15.91 ft; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 10-22)

13.70	0	15.00	168
14.00	19	15.50	277
14.50	82	16.00	420

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	104	.00	.00	.00	5.7	48	192	336	244	1.8	119
2	209	73	.00	.00	.00	4.0	78	187	353	213	.50	124
3	195	59	.00	.00	.00	3.2	89	187	360	183	.00	132
4	199	49	.00	.00	.00	1.4	89	188	377	157	.00	138
5	189	37	.00	.00	.00	.00	84	218	377	115	.00	155
6	180	27	.00	.00	.00	.00	84	299	371	90	.00	155
7	179	24	.00	.00	.00	.00	86	306	373	60	.00	157
8	187	23	.00	.00	.00	.00	97	314	377	35	.00	166
9	193	21	.00	.00	.00	1.0	99	309	326	20	.00	185
10	203	20	.00	.00	.00	1.4	102	306	388	30	.00	204
11	208	20	.00	.00	.00	2.3	101	305	354	61	.00	224
12	202	21	.00	.00	.00	3.0	112	305	337	60	.00	278
13	190	21	.00	.00	.00	3.1	142	305	353	33	.00	287
14	183	22	.00	.00	.00	3.5	161	305	372	20	.00	286
15	179	22	.00	.00	1.0	3.6	165	287	375	9.0	.00	292
16	171	22	.00	.00	1.2	5.5	168	261	374	1.0	.00	294
17	159	21	.00	.00	1.8	7.4	172	204	370	.00	.00	295
18	95	20	.00	.00	2.7	8.3	169	167	360	.00	.00	301
19	63	21	.00	.00	3.5	9.2	171	150	352	.00	.00	307
20	54	10	.00	.00	3.1	12	174	127	351	.00	.00	310
21	92	4.5	.00	.00	2.8	11	170	134	352	.00	.00	303
22	170	1.5	.00	.00	2.6	11	173	223	351	.00	.00	302
23	232	.00	.00	.00	3.4	13	178	290	351	1.0	13	299
24	232	.00	.00	.00	4.4	13	183	284	330	2.0	50	302
25	210	.00	.00	.00	5.0	15	184	234	307	6.8	52	302
26	189	.00	.00	.00	5.4	19	189	203	278	15	54	299
27	177	.00	.00	.00	5.6	20	187	181	256	18	56	300
28	168	.00	.00	.00	5.8	20	187	151	262	26	48	306
29	161	.00	.00	.00	---	22	187	230	265	35	34	310
30	162	.00	.00	.00	---	23	191	302	254	19	89	306
31	160	---	.00	.00	---	29	---	320	---	8.3	114	---
TOTAL	5398	643.00	.00	.00	48.30	270.60	4220	7474	10242	1462.10	512.30	7438
MEAN	174	21.4	.00	.00	1.72	8.73	141	241	341	47.2	16.5	248
MAX	232	104	.00	.00	5.8	29	191	320	388	244	114	310
MIN	54	.00	.00	.00	.00	.00	48	127	254	.00	.00	119
AC-FT	10710	1280	.00	.00	96	537	8370	14820	20320	2900	1020	14750

CAL YR 1985 TOTAL 17916.50 MEAN 49.1 MAX 294 MIN .00 AC-FT 35540
WTR YR 1986 TOTAL 37708.30 MEAN 103 MAX 388 MIN .00 AC-FT 74790

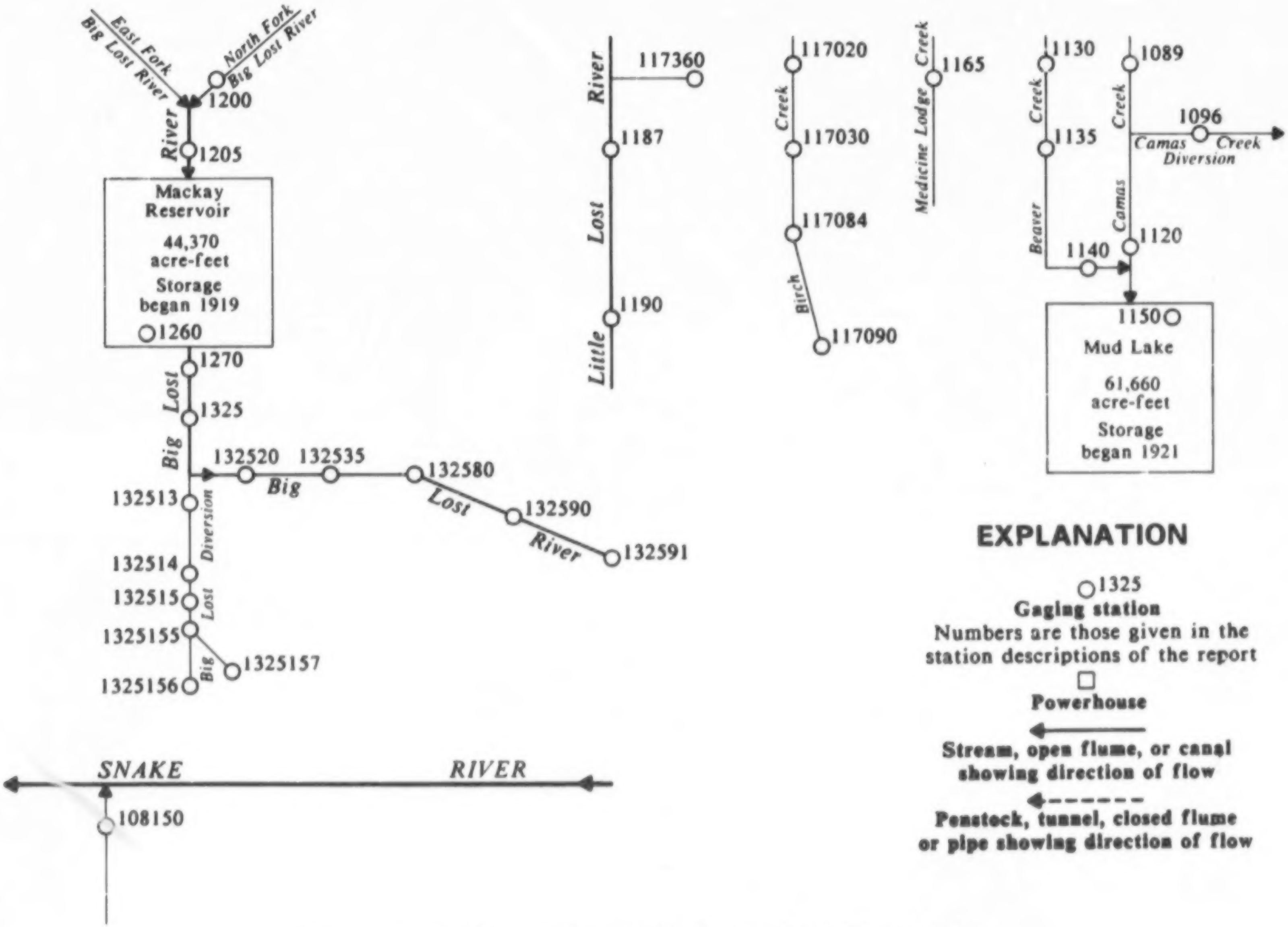
East Fork Big Lost River
North Fork Big Lost River
1200
River
1205
Mackay Reservoir
44,370 acre-feet
Storage began 1919
1260
1270
Big Lost
1325
132520
132535
132580
Big Lost River
132590
132591
132513
Diversion
132514
132515
Big Lost
1325155
1325156
1325157
SNAKE RIVER
108150
Little Lost River
117360
1187
1190
Birch Creek
117020
117030
117084
117090
Medicine Lodge Creek
1165
Beaver Creek
1130
1135
1140
Camas Creek
1089
1096
Camas Creek Diversion
1120
1150
Mud Lake
61,660 acre-feet
Storage began 1921
EXPLANATION
1325
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 20.--Gaging stations in Mud Lake-Lost River basins.

BETWEEN SNAKE RIVER NEAR BUHL AND SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN

13134560 BELL RAPIDS CANAL NEAR HAGERMAN, ID

LOCATION.--Lat 42°47'33", long 114°57'02", in NW¼SE¼NW¼ sec.29, T.7 N., R.13 E., Twin Falls County, Hydrologic Unit 17040212, on right bank, 400 ft downstream from booster pumps and diversion, and about 3 mi southwest of Hagerman.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,425 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 127 ft^3/s Jul. 13, 1985; no flow for many days.

DISCHARGE, IN CULIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19						---	32	71	89	79	26
2	9.6						---	22	55	116	87	23
3	15						---	35	76	117	87	23
4	22						---	37	73	111	56	26
5	30						---	38	67	105	52	30
6	20						---	40	45	124	34	28
7	26						---	27	63	123	30	22
8	20						---	42	56	115	46	29
9	20						---	41	43	105	71	34
10	20						4.7	33	58	93	71	28
11	9.7						.82	26	57	100	56	20
12	.00						1.2	20	69	104	51	16
13	.00						8.5	28	84	107	60	18
14	.00						7.8	29	84	116	63	14
15	.00						9.7	24	89	106	52	14
16	.00						12	17	65	110	72	15
17	.00						25	18	62	91	57	8.4
18	.00						17	28	62	76	59	10
19	.00						25	33	81	92	42	3.8
20	.00						30	32	74	101	47	4.2
21	.00						32	25	78	103	44	11
22	.00						23	35	74	94	31	8.2
23	.00						34	32	74	78	34	12
24	.00						30	34	83	79	22	18
25	---						34	40	98	75	36	12
26	---						23	39	89	64	39	16
27	---						24	39	109	61	44	6.3
28	---						27	46	115	60	48	.00
29	---						33	56	122	65	32	.80
30	---						28	75	99	60	27	.00
31	---						---	68	---	79	32	---
TOTAL	---						---	1091	2275	2919	1561	476.70
MEAN	---						---	35.2	75.8	94.2	50.4	15.9
MAX	---						---	75	122	124	87	34
MIN	---						---	17	43	60	22	.00
AC-FT	---						---	2160	4510	5790	3100	946

BETWEEN SNAKE RIVER NEAR BUHL AND SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN

13134570 FOSSIL GULCH CANAL NEAR HAGERMAN, ID

LOCATION.--Lat 42°49'47", long 114°56'43", in NW¼SW¼SW¼ sec. 9, T.7 S., R.12 E., Twin Falls County, Hydrologic Unit 17040212, on right bank 400 ft downstream from end of penstock, and approximately 2.5 mi northwest from Hagerman, ID.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 3,350 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 160 ft^3/s June 21, 1986; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	48	125	128	130	62
2							---	52	98	140	131	57
3							---	56	87	150	116	62
4							.00	67	90	144	111	65
5							.00	63	80	138	102	57
6							.00	69	83	120	113	59
7							8.0	73	90	112	94	58
8							17	66	91	122	111	55
9							17	63	92	137	123	50
10							17	70	92	132	117	51
11							17	58	86	136	98	49
12							17	38	102	135	112	49
13							19	66	126	118	104	49
14							24	63	125	129	110	43
15							23	47	121	139	96	35
16							20	50	118	147	105	34
17							20	69	113	137	94	28
18							23	72	132	114	93	33
19							30	70	138	117	103	27
20							42	76	153	132	101	31
21							46	75	160	145	86	35
22							56	70	153	142	74	32
23							66	75	153	144	78	31
24							65	77	153	137	79	24
25							70	60	144	153	72	25
26							62	61	122	131	88	20
27							58	81	128	105	94	13
28							49	82	129	100	82	.00
29							50	94	133	91	71	.00
30							33	115	134	103	65	.00
31							---	115	---	111	62	---
TOTAL							---	2141	3551	3989	3016	1134.00
MEAN							---	69.1	118	129	97.3	37.8
MAX							---	115	160	153	131	65
MIN							---	38	80	91	62	.00
AC-FT							---	4250	7040	7910	5980	2250

13135000 SNAKE RIVER BELOW LOWER SALMON FALLS, NEAR HAGERMAN, ID

LOCATION.--Lat 42°50'55", long 114°54'02", in NW¼ sec.2, T. 7 S., R. 13 E., Gooding County, Hydrologic Unit 17040212, on right bank 0.5 mi downstream from Lower Salmon Falls powerplant, 1 mi upstream from Big Wood River, 2.2 mi north of Hagerman, and at mile 572.5.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October 1937, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 2,727.7 ft above National Geodetic Vertical Datum of 1929 (stadia levels). Prior to Jan. 3, 1950, at site 340 ft upstream.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir, 141.6 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. At times, practically entire flow is diverted at Milner during the irrigation season; only minor diversions below Milner. Most of the percolation upstream into the Snake River Plain aquifer returns above station, including some water diverted from the Malad River. Diversions above station for irrigation of about 2,330,000 acres, of which about 665,000 acres are irrigated by withdrawals from ground water. There are about 83,000 acres irrigated below station.

AVERAGE DISCHARGE.--49 years, 9,394 ft^3/s, 6,806,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft^3/s June 24, 1964, gage height, 15.73 ft; minimum, probably less than 100 ft^3/s Jan. 10, 11, 1950, when river was below intake pipes; minimum daily, 3,970 ft^3/s July 8, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,200 ft^3/s Mar. 23, gage height, 14.68 ft; minimum, 1,800 ft^3/s July 17, gage height, 3.95 ft; minimum daily, 5,710 ft^3/s July 17.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

6.5	5600	10.0	13600
7.0	6600	11.0	16000
8.0	8810	13.0	21500
9.0	11200	15.0	27100

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8420	8130	10500	11600	11200	14900	25800	22000	16000	7800	6110	7800
2	8260	8150	10600	11600	10900	15100	25000	22500	16000	7660	6160	8220
3	7750	8090	10500	11600	10600	14400	25400	22000	16200	8210	6170	8100
4	7630	8130	10600	11600	10400	14500	25600	21100	15000	8260	6310	8080
5	7680	10100	10700	11600	10200	15300	25500	21500	15000	7420	6280	7790
6	7740	10000	10600	11600	10000	14800	25300	22500	15900	8710	6370	7930
7	7830	8970	10800	11700	10100	15200	25100	22400	16700	8500	6660	8110
8	7870	8650	10600	11600	10100	17300	20900	23800	18000	7910	6700	8160
9	7850	8910	10400	11500	9220	19000	18500	24500	18900	6580	6740	8000
10	8010	9080	10400	11400	10200	20400	18600	25100	21100	6210	6720	8250
11	7860	9000	9820	11300	11300	21100	20000	25000	21900	5910	6780	8270
12	7780	9950	9460	11100	11400	21300	20800	25300	22300	5950	6670	8850
13	7900	8530	9810	10900	12500	22200	20100	25000	21800	5970	6680	8410
14	8710	8090	10100	11000	13000	22900	20600	24400	21900	6720	6750	8360
15	8920	9340	10500	11000	13400	23100	22000	24500	21700	6020	6770	8710
16	8630	11400	10500	11100	13400	20000	22600	24500	22500	6790	6810	8570
17	8520	11500	10200	11200	13700	15000	22400	24700	22300	5710	6900	8510
18	8500	10900	9880	11600	15200	10200	23100	24000	21300	6240	7120	8570
19	8440	10200	9830	11600	15600	7460	23100	24200	20100	6360	7240	8430
20	8340	9470	9900	11700	15100	7620	22400	23500	21000	6170	7620	8690
21	8110	10000	9940	11600	14500	15200	22500	21400	21000	6140	7470	8710
22	8040	9690	9970	11500	14100	23700	21800	20200	21000	6030	7000	9000
23	8040	9250	10200	11400	13800	25300	19700	18000	21200	6140	6840	9170
24	8330	9190	10600	11400	13800	25600	19300	19400	20200	6240	7670	9130
25	8550	9920	10800	11600	13800	25100	20200	20400	17600	6280	7750	9000
26	8270	10000	11200	11000	13700	25300	20000	20600	15700	6640	7400	10200
27	8210	9930	11100	10800	13600	25300	22000	20600	12800	6660	7390	12000
28	8180	10100	11400	11200	13900	25200	22700	20100	10300	6650	7290	12500
29	8170	10400	11500	11300	---	25400	22000	19400	9100	6490	7370	12700
30	8220	10500	11500	11500	---	25700	21700	18800	8760	6640	7870	12600
31	8120	---	11600	11600	---	25100	---	16800	---	5950	7840	---
TOTAL	252880	285570	325610	353200	348720	598680	664700	688200	543260	208960	215450	270820
MEAN	8157	9519	10500	11390	12450	19310	22160	22200	18110	6741	6950	9027
MAX	8920	11500	11600	11700	15600	25700	25800	25300	22500	8710	7870	12700
MIN	7630	8090	9460	10800	9220	7460	18500	16800	8760	5710	6110	7790
AC-FT	501600	566400	645800	700600	691700	1187000	1318000	1365000	1078000	414500	427300	537200

CAL YR 1985 TOTAL 3885370 MEAN 10640 MAX 18800 MIN 4960 AC-FT 7707000
WTR YR 1986 TOTAL 4756050 MEAN 13030 MAX 25800 MIN 5710 AC-FT 9434000

13139500 BIG WOOD RIVER AT HAILEY, ID

LOCATION.--Lat 43°31'02", long 114°19'14", in SW¼NE¼SW¼ sec. 9, T. 2 N., R. 18 E., Blaine County, Hydrologic Unit 17040219, on left bank 15 ft upstream from county road crossing, 0.2 mi southwest of Hailey, 0.4 mi upstream from Croy Creek, and at mile 91.0.

DRAINAGE AREA.--640 mi^2, approximately. Mean elevation, 7,620 ft.

PERIOD OF RECORD.--July to December 1889, June 1915 to current year. Published as "Wood River at Hailey" in 1889. Previously published as "Big Wood River and Big Wood Slough," combined discharge.

REVISED RECORDS.--WDR ID-81-1: 1974-80 average discharge.

GAGE.--Water-stage recorder. Datum of gage is 5,295.42 ft above National Geodetic Vertical Datum of 1929. Nov. 16, 1934, to Oct. 15, 1970, at datum 2.00 ft higher. July to December 1889, nonrecording gage at nearby site at different datum. June 11, 1915, to Nov. 15, 1934, nonrecording gages at present site at different datum. Nov. 10, 1971, to Sept. 30, 1972, nonrecording gages at different sites at present datum.

REMARKS.--Estimated daily discharges: Nov. 10, 16-26, Dec. 10-31, Jan. 2, 4, 7, 8, 21-27, Feb. 5-10. Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 10,000 acres (1966 determination), of which about 1,200 acres are below station. Storage above station is negligible.

AVERAGE DISCHARGE.--71 years, 463 ft^3/s, 335,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 6,150 ft^3/s May 30, 1983, gage height, 7.93 ft; maximum gage height, 10.66 ft, present datum, June 12, 1921; no flow Sept. 15-23, Nov. 20, 22, 23, 1911, Oct. 25, 1937.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,300 ft^3/s May 30, gage height, 6.82 ft; minimum daily discharge, 130 ft^3/s Nov. 24.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 20-22, 26-30; stage-discharge relation affected
by ice Nov. 10, 16-26, Dec. 10-31, Jan. 2, 4, 7, 8, 21-27, Feb. 5-10)

Oct. 1 to May 29				May 30 to Sept. 30			
0.9	125	2.0	500	1.2	239	4.0	1970
1.0	148	3.0	1020	2.0	580	5.0	2970
1.5	302	5.0	2500	3.0	1170	7.0	5580
		7.0	4520				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	263	207	198	198	295	1030	1190	4480	1130	445	296
2	283	260	220	195	200	311	954	1280	4180	1090	439	295
3	275	259	224	200	198	333	891	1560	4150	1100	433	284
4	269	257	202	185	168	355	880	1840	4150	1070	426	274
5	263	259	214	192	155	365	896	1710	3920	970	417	266
6	261	255	222	200	150	379	938	1600	3470	890	406	258
7	274	253	232	185	145	406	1040	1430	3160	825	388	257
8	278	254	237	190	140	532	1090	1320	2810	783	385	266
9	280	227	222	201	145	515	1080	1240	2440	796	373	307
10	283	215	180	202	160	483	1160	1280	2210	759	363	298
11	285	234	160	198	174	449	1210	1190	2270	724	355	281
12	280	250	160	190	173	432	1230	1110	2360	723	349	269
13	251	245	165	196	178	414	1130	1100	2320	689	344	266
14	253	238	165	191	181	400	1030	1080	2350	669	338	269
15	253	226	170	204	191	379	977	1070	2360	665	331	284
16	250	225	175	206	204	389	972	1040	2310	664	323	301
17	250	220	180	210	203	370	951	1050	2290	628	290	292
18	248	210	180	204	193	351	913	1110	2320	589	281	299
19	246	190	185	202	190	355	914	1300	2140	564	278	299
20	243	185	190	197	198	363	1010	1720	1850	551	287	309
21	250	170	190	164	203	389	1300	2190	1650	543	345	305
22	271	150	192	162	207	426	1640	1900	1560	534	356	299
23	276	135	200	160	211	457	1900	1560	1560	532	336	292
24	274	130	208	160	224	504	1820	1380	1580	534	323	289
25	277	150	205	155	243	506	1670	1470	1530	531	307	299
26	276	175	205	160	253	507	1500	1950	1470	536	298	298
27	276	183	200	170	268	533	1400	2690	1440	526	290	313
28	279	192	195	191	283	640	1320	3610	1400	500	287	313
29	275	203	195	199	---	834	1290	4250	1360	480	284	305
30	274	206	192	201	---	966	1210	4570	1210	468	296	311
31	268	---	192	200	---	1080	---	4520	---	455	298	---
TOTAL	8224	6419	6064	5860	5445	14718	35346	56290	72300	21518	10671	8692
MEAN	265	214	196	189	194	475	1178	1816	2410	694	344	290
MAX	285	263	237	210	283	1080	1900	4570	4480	1130	445	313
MIN	243	130	160	155	140	295	880	1040	1210	455	278	256
AC-FT	16310	12730	12030	11640	10800	29190	70110	111700	143400	42680	21170	17240

CAL YR 1985 TOTAL 142720 MEAN 391 MAX 1320 MIN 130 AC-FT 283100
WTR YR 1986 TOTAL 251556 MEAN 689 MAX 4570 MIN 130 AC-FT 499000

13141000 BIG WOOD RIVER NEAR BELLEVUE, ID

LOCATION.--Lat 43°19'40", long 114°20'25", in NW¼NE¼ sec.20, T. 1 S., R. 18 E., Blaine County, Hydrologic Unit 17040219, on right bank at downstream end of Mahoney Flat, 1.5 mi upstream from maximum flow line of Magic Reservoir, 2.8 mi upstream from Camas Creek, 10.5 mi southwest of Bellevue, and at mile 76.0.

DRAINAGE AREA.--824 mi^2, approximately.

PERIOD OF RECORD.--July 1911 to current year (no winter records prior to October 1943 except water years 1916, 1921-22, 1940-41).

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to July 8, 1921, at site 0.1 mi downstream at different datum. July 8, 1921, to Oct. 5, 1954, at site 0.2 mi upstream at different datum. Oct. 6, 1954, to Oct. 25, 1965, at site 1 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Oct. 6, 8, Oct. 11 to Nov. 22, Nov. 24, 25, Dec. 11-16, 25, 28-31, Jan. 4-7, 12, 21-27, Feb. 5-11, June 14-26 and July 6-15. Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 21,800 acres, of which about 400 acres are irrigated by withdrawals from ground water (1966 determination). Storage above station is negligible.

COOPERATION.--Recorder inspected by employees of Water District 37.

AVERAGE DISCHARGE.--48 years (1916, 1922, 1940-41, 1943-86), 323 ft^3/s, 234,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,310 ft^3/s May 30, 1983, gage height, 7.61 ft, maximum gage height, 7.74 ft June 9, 1983; minimum discharge recorded, 7 ft^3/s Apr. 14, 1932, gage height, 1.10 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,610 ft^3/s June 4, gage height, 8.48 ft; minimum daily discharge, 43 ft^3/s Jan. 2, 6, 12-15.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 8, 9, Mar. 29 to Apr. 21, Aug. 24 to Sept. 30; stage-discharge relation affected by ice Nov. 24, Dec. 11-16, 25, 25-31, Jan. 4-7, 12, 21-27, Feb. 5-11)

3.3	35	5.0	365	7.0	1580
3.5	55	5.5	560	7.5	2240
4.0	122	6.0	800	8.0	3190
4.5	223	6.5	1120	8.5	4690

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	156	79	45	130	275	926	930	3650	684	174	124
2	149	152	86	43	140	292	882	922	3710	669	168	122
3	146	150	95	45	141	312	821	1130	3770	636	155	119
4	147	150	94	44	131	335	812	1540	4060	576	139	116
5	148	150	98	45	120	358	812	1490	3890	539	126	112
6	146	148	109	43	115	370	838	1390	3470	490	117	110
7	150	148	118	43	100	407	930	1240	2870	450	116	108
8	155	148	130	44	90	617	974	1100	2440	420	117	108
9	154	135	132	44	78	598	981	981	2140	400	119	113
10	151	125	124	44	80	570	1020	1010	1820	375	120	116
11	155	130	90	44	90	558	1070	999	1770	310	121	114
12	152	145	75	43	99	520	1090	897	1840	300	118	113
13	148	140	60	43	106	481	1030	853	1800	300	116	113
14	148	135	55	43	107	451	965	838	1850	290	115	121
15	150	130	50	43	147	423	920	757	1850	235	112	124
16	148	125	55	44	169	429	900	682	1850	204	114	124
17	146	120	54	53	216	414	879	640	1800	198	118	123
18	144	115	53	51	258	383	843	660	1800	196	119	122
19	144	110	53	55	296	378	829	780	1700	202	119	120
20	142	110	52	73	245	385	858	1050	1500	202	118	122
21	146	105	52	65	214	403	1010	1480	1300	212	122	122
22	155	100	51	60	205	435	1270	1620	1250	211	146	121
23	160	95	51	60	233	469	1530	1400	1250	208	148	119
24	160	90	50	60	274	500	1730	1220	1280	207	149	121
25	160	80	49	58	269	506	1590	1180	1200	209	140	130
26	160	80	49	60	271	503	1400	1490	1100	215	131	137
27	160	81	49	75	265	512	1260	2390	990	219	128	144
28	162	79	48	109	269	572	1140	3100	938	209	118	148
29	160	82	48	123	---	707	1090	3530	892	194	114	143
30	160	80	45	121	---	808	1000	3540	756	183	121	148
31	158	---	45	126	---	917	---	3680	---	179	124	---
TOTAL	4716	3594	2199	1849	4858	14888	31400	44519	60536	9922	3962	3677
MEAN	152	120	70.9	59.6	174	480	1047	1436	2018	320	128	123
MAX	162	156	132	126	296	917	1730	3680	4060	684	174	148
MIN	142	79	45	43	78	275	812	640	756	179	112	108
AC-FT	9350	7130	4360	3670	9640	29530	62280	88300	120100	19680	7860	7290

CAL YR 1985	TOTAL	82711	MEAN	227	MAX	969	MIN	45	AC-FT	164100
WTR YR 1986	TOTAL	186120	MEAN	510	MAX	4060	MIN	43	AC-FT	369200

13141300 MORMON RESERVOIR NEAR FAIRFIELD, ID

LOCATION.--Lat 43°16'50", long 118°08'02", in NW¼SW¼NE¼ sec. 4, T. 2 S., R. 14 E., Camas County, Hydrologic Unit 17040220, at left end of dam, and 4 mi south of Fairfield.

DRAINAGE AREA.--60.0 mi^2, approximately.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Non-recording gage. Elevation of gage is 5,040 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Reservoir is formed by earth-filled dam. Water is used for irrigation on Camas Prairie by Twin Lakes Reservoir and Irrigation Company. Capacity is 31,400 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 99.82 Mar. 18, 1986; minimum gage height observed, 95.95 ft Oct. 7, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 99.82 ft Mar. 18; minimum gage height observed, 95.95 ft Oct. 7.

GAGE-HEIGHT, IN FEET, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
0800 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---				---	99.52	---	---	---		---
2	---	---				---	---	---	---	---		---
3	---	---				---	---	---	---	---		---
4	---	---				---	---	---	---	---		---
5	---	---				---	---	---	---	---		---
6	---	---				---	---	99.57	---	---		---
7	95.95	---				---	---	---	---	---		---
8	---	---				---	---	---	---	---		---
9	---	---				---	---	---	---	---		---
10	---	---				---	---	---	---	---		---
11	---	---				---	---	---	98.59	---		---
12	---	---				---	---	---	---	---		96.00
13	---	---				---	---	---	---	---		---
14	---	---				---	---	---	---	---		---
15	---	---				---	---	---	---	---		---
16	---	---				---	---	---	---	---		---
17	---	---				---	---	---	---	---		---
18	---	---				99.82	---	---	---	---		---
19	---	---				---	---	---	---	---		---
20	---	95.96				---	---	---	---	---		---
21	---	---				---	---	---	98.29	97.01		---
22	---	---				---	---	---	98.25	---		---
23	---	---				---	---	---	---	---		---
24	---	---				---	---	---	---	---		---
25	---	---				---	---	---	---	---		---
26	---	---				---	---	---	---	---		---
27	---	---				---	---	---	---	---		---
28	---	---				---	---	---	---	---		---
29	---	---				---	---	---	---	---		---
30	---	---				---	---	---	---	---		---
31	---	---				---	---	---	---	---		---
MEAN	---	---				---	---	---	---	---		---
MAX	---	---				---	---	---	---	---		---
MIN	---	---				---	---	---	---	---		---

13141500 CAMAS CREEK NEAR BLAINE, ID

LOCATION.--Lat 43°19'59", long 114°32'27", in NW¼SE¼ sec. 15, T. 1 S., R. 16 E., Camas County, Hydrologic Unit 17040220, 0.2 mi downstream from Willow Creek, 2.8 mi upstream from maximum flow line of Magic Reservoir, 4 mi southeast of Blaine, and at mile 7.0.

DRAINAGE AREA.--648 mi^2. Mean elevation, 5,600 ft.

PERIOD OF RECORD.--May 1912 to September 1921 and April 1923 to October 1925 (fragmentary), March 1926 to September 1944 (no winter records), October 1944 to current year. Published as "Malad River near Blaine," 1912-14.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft, by barometer. Prior to June 22, 1966, at site 600 ft downstream at datum 0.66 ft lower.

REMARKS.--Estimated daily discharges: Nov. 9-10, 14-18, 20-25, Dec. 12-15, 27-29, Jan. 4-5, 22-26, Feb. 6, 8-11, Mar. 1-3, Mar. 8 to Apr. 1. Records good except for estimated daily discharges, which are fair. Flow regulated by Mormon Reservoir on McKinney Creek, capacity, 31,240 acre-ft, and three minor reservoirs, combined capacity 580 acre-ft. Diversions above station for irrigation of about 9,400 acres, of which about 1,500 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--42 years, 194 ft^3/s, 140,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 9,780 ft^3/s Apr. 8, 1943; maximum gage height, 16.2 ft (site and datum then in use) Feb. 3, 1963, from floodmark; minimum discharge recorded, 1.2 ft^3/s Aug. 11, 12, 1959; minimum gage height, 1.04 ft (site and datum then in use) Aug. 23, 25, 1963.

EXTREMES FOR CURRENT YEAR.-Maximum discharge, 3,360 ft^3/s Mar. 9, gage height, 11.50 ft, from floodmark; minimum discharge, 6.6 ft^3/s Aug. 15, 16, gage height, 3.01 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 9-10, 14-18, 20-25,
Dec. 12-15, 27-29, Jan. 4-5, 22-26, Feb. 6, 8-11)

3.0	5.9	4.5	170
3.2	11	5.0	328
3.4	19	7.0	1160
3.7	38	10.0	2590
4.0	78	12.0	3615

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	24	23	29	51	2120	1650	576	467	57	10	9.8
2	12	23	23	28	52	1890	1460	564	461	48	11	9.7
3	12	23	23	29	51	1810	1460	577	455	43	10	9.6
4	12	23	22	28	48	1750	1220	590	439	40	10	9.1
5	12	23	23	28	47	1730	1120	601	420	39	10	8.9
6	12	23	23	29	42	1750	1090	594	425	37	9.9	8.6
7	15	24	25	28	43	1770	1120	572	394	32	10	9.1
8	15	24	25	27	39	1780	1130	552	368	29	9.5	9.9
9	15	23	24	28	38	2270	1160	524	362	30	9.1	10
10	15	21	21	28	41	2430	1190	520	314	30	8.9	11
11	15	21	19	27	45	2380	1150	532	271	29	9.2	11
12	15	22	18	26	55	2130	1150	497	241	27	8.2	9.5
13	16	22	17	27	55	1940	1150	465	224	26	7.8	9.1
14	16	22	19	27	55	1700	1060	442	203	24	7.5	8.9
15	16	21	21	28	65	1480	953	425	200	22	7.4	9.7
16	17	21	23	29	84	1330	865	409	180	20	7.6	11
17	17	20	25	31	115	1260	860	395	163	19	8.2	12
18	17	20	25	32	164	1210	792	394	155	16	8.3	12
19	18	18	25	33	450	1180	729	400	142	15	8.1	12
20	18	18	25	33	400	1360	703	412	131	13	9.0	14
21	18	18	25	29	351	1620	704	441	118	11	9.7	13
22	19	17	26	27	298	1830	751	459	108	10	11	13
23	27	17	26	27	347	2000	789	456	102	11	9.7	12
24	33	18	26	27	681	2100	807	404	93	11	9.8	12
25	44	19	27	26	951	1900	766	382	88	12	9.3	14
26	38	20	27	29	1010	1780	721	386	78	13	8.9	15
27	32	21	26	34	1310	1730	678	408	75	13	8.6	18
28	30	21	26	36	1930	1870	650	439	71	13	8.3	20
29	27	22	26	38	---	2030	630	463	65	11	8.4	19
30	26	22	27	41	---	2030	608	474	62	11	9.4	26
31	24	---	28	46	---	1840	---	465	---	10	9.6	---
TOTAL	614	631	739	935	8818	56000	29116	14818	6875	722	282.4	366.9
MEAN	19.8	21.0	23.8	30.2	315	1806	971	478	229	23.3	9.11	12.2
MAX	44	24	28	46	1930	2430	1650	601	467	57	11	26
MIN	11	17	17	26	38	1180	608	382	62	10	7.4	8.6
AC-FT	1220	1250	1470	1850	17490	111100	57750	29390	13640	1430	560	728

CAL YR 1985	TOTAL	50923.7	MEAN	140	MAX	4000	MIN	3.7	AC-FT	101000
WTR YR 1986	TOTAL	119917.3	MEAN	329	MAX	2430	MIN	7.4	AC-FT	237900

13142000 MAGIC RESERVOIR NEAR RICHFIELD, ID

LOCATION.--Lat 43°15'19", long 114°21'25", in SE¼NE¼NE¼ sec. 18, T.2 S., R.18 E., Blaine County, Hydrologic Unit 17040219, at Magic Dam on Big Wood River, 18 mi northwest of Richfield, and at mile 67.5.

DRAINAGE AREA.--1,600 mi^2, approximately.

PERIOD OF RECORD.--February 1909 to current year. Month-end contents only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 4,000 ft, Idaho Irrigation Co. datum, which is reported to be about 137 ft below National Geodetic Vertical Datum of 1929. Datum of gages prior to Oct. 1, 1942, was 4,000 ft lower. Datum of gages Oct. 1, 1942, to Sept. 30, 1974, was 800 ft higher.

REMARKS.--Reservoir is formed by earth- and rock-filled dam completed in 1909 and raised 5 ft in 1917. Capacity is 191,500 acre-ft between gage heights 821.4 ft, 2.9 ft above bottom of outlet pipe, and 935.0 ft, top of 5-ft flashboards. Dead storage unknown. Water is used for irrigation of about 68,000 acres of land in Carey Act project of Big Wood Canal Co. Diversions above station for irrigation of about 32,600 acres, of which about 1,900 acres are irrigated by withdrawals from ground water (1966 determination). Figures given herein represent usable contents, including bank storage.

COOPERATION.--Gage readings and capacity table provided by Water District 37.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 195,400 acre-ft May 11-13, 1969, gage height, 936.0 ft, present datum; no storage for several days in 1909, 1919-20, 1924, 1928, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 193,800 acre-ft May 29, 30, gage height, 935.6 ft; minimum observed, 55,900 acre-ft Oct. 7, gage height, 884.4 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

880	47,700	910	111,900
890	66,800	920	139,500
900	87,700	930	172,600
		936	195,400

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
0800 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58400	66000	78000	85300	93200	139200	186400	186100	193100	190700	154900	108000
2	58000	66400	78200	85300	93700	143100	186100	186100	193100	190300	153600	106800
3	57400	66800	78400	86000	94100	149400	186100	186100	193100	189900	152900	105300
4	57000	67200	78600	86000	94600	154900	185700	186400	193100	189500	150400	104000
5	56600	67600	79000	86000	94600	158600	184900	187200	193100	188400	148800	102500
6	56200	68200	79500	86400	95100	161700	184500	189200	193100	187600	147200	101300
7	55900	68600	79900	86400	95800	164100	184100	189900	192300	186800	145600	100100
8	56100	69200	80300	86600	96000	168000	184100	190700	191500	186100	143800	98900
9	56400	69600	80700	87100	96300	175200	184100	190700	191500	185300	142200	97700
10	56800	70000	80700	87100	96700	181500	184500	190700	191500	184100	140400	96700
11	57200	70400	80700	87100	97000	185300	184500	190700	191100	183400	138900	95600
12	57600	70800	80700	87100	97200	187200	184900	190700	192700	182200	137400	94400
13	58000	71400	81200	87100	97500	187200	184900	190700	192700	181100	135700	93200
14	58400	71800	81600	87700	98200	186800	184900	190300	192700	180000	134500	92100
15	58700	72200	81600	87700	98900	186100	184500	189500	192700	178900	132500	91100
16	59100	72800	81600	88200	99600	185300	183800	189200	192700	177700	130800	90200
17	59500	73200	82500	88600	100300	184500	183000	188400	192300	176300	129400	88900
18	59900	73600	82500	88900	100600	184100	182200	187600	192300	174800	128000	88200
19	60300	74000	82500	89300	104000	183000	181500	186400	191900	173300	126600	87500
20	60700	74500	82500	89300	105000	182600	180400	187200	191500	171900	125200	86200
21	61100	74700	83300	89800	108800	182200	179600	188800	191100	170800	123800	85300
22	61500	74900	83300	89800	110300	182600	179200	190700	191100	169000	122200	84400
23	61900	75100	83300	90700	111900	183400	179600	192700	191100	168000	120900	83500
24	62400	75700	83300	90700	114700	184100	180400	192700	191500	166500	119500	82700
25	63000	76500	83300	90900	118400	184900	181100	192300	192300	165100	118200	81800
26	63400	76700	83800	90900	121700	185300	182600	191900	192300	163700	116800	80900
27	64000	76900	83800	91100	125500	185300	183800	191100	192700	162400	115300	80100
28	64400	77100	83800	91100	131400	185300	184900	192700	192700	161000	113900	79500
29	64800	77400	84600	91800	---	185700	185300	193800	191500	159600	112400	78800
30	65200	77600	84600	92300	---	186100	185700	193800	191100	157900	111100	78400
31	65600	---	84600	93000	---	186400	---	193500	---	156600	109800	---
MAX	65600	77600	84600	93000	131400	187200	186400	193800	193100	190700	154900	108000
MIN	55900	66000	78000	85300	93200	139200	179200	186100	191100	156600	109800	78400
(†)	4889.4	4895.3	4898.6	4902.3	4917.2	4933.7	4933.5	4935.5	4934.9	4925.4	4909.2	4895.7
(‡)	6900	12000	7000	8400	38400	55000	-700	7800	-2400	-34500	-46800	-31400

CAL YR 1985 ....(‡) -48500
WTR YR 1986 ....(‡) 19700

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13142500 BIG WOOD RIVER BELOW MAGIC DAM, NEAR RICHFIELD, ID

LOCATION.--Lat 43°15'00", long 114°21'30", in NE¼SE¼ sec. 18, T. 2 S., R. 18 E., Blaine County, Hydrologic Unit 17040219, U.S. Bureau of Land Management lands, on right bank 0.5 mi downstream from Magic Dam, 18 mi northwest of Richfield, and at mile 67.0.

DRAINAGE AREA.--1,600 mi^2, approximately.

PERIOD OF RECORD.--April 1911 to current year (no winter records 1912).

GAGE.--Water-stage recorder. Datum of gage is 4,661.6 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Magic Reservoir 0.5 mi upstream (see sta 13142000), Mormon Reservoir on tributary of Camas Creek (capacity, 31,240 acre-ft), and smaller reservoirs having combined capacity of about 680 acre-ft. Diversions above station for irrigation of about 32,600 acres, of which about 1,900 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--74 years (1913-86), 487 ft^3/s, 352,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,000 ft^3/s Apr. 26, 1952, gage height, 15.68 ft, from floodmark; no flow Feb. 3, 1915.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,060 ft^3/s May 30, gage height, 9.30 ft; minimum daily, 5.3 ft^3/s Dec. 14 to Jan. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	387	7.0	6.0	5.3	6.3	9.0	2970	1600	4350	920	903	849
2	387	6.8	6.2	5.3	6.6	9.4	2870	1610	4300	963	902	814
3	387	7.2	5.9	5.3	6.3	9.7	2700	1610	4250	986	896	799
4	387	7.2	5.9	5.3	6.0	326	2570	1640	4280	997	891	799
5	386	6.6	5.9	5.3	6.4	925	2440	1650	4340	944	887	796
6	385	6.7	5.7	5.3	6.2	1140	2370	1650	4130	927	883	757
7	131	6.8	6.1	5.3	6.1	1140	2340	1650	3540	922	884	738
8	7.0	6.8	5.9	5.3	6.0	1150	2340	1660	3110	912	882	743
9	6.6	7.1	6.0	5.5	6.0	1170	2360	1670	2630	906	879	700
10	6.6	7.3	5.8	5.5	6.1	1830	2390	1680	2320	928	876	694
11	6.9	7.2	5.9	5.5	6.1	2500	2430	1690	1610	937	876	701
12	6.8	7.0	5.8	5.5	6.4	3070	2490	1690	1820	925	874	699
13	6.9	6.7	5.6	5.6	6.5	3110	2520	1700	2180	921	873	699
14	7.4	6.5	5.3	5.6	6.9	2890	2430	1630	2140	941	869	699
15	7.8	6.4	5.3	5.7	7.5	2640	2360	1690	2140	942	866	659
16	8.2	6.4	5.3	6.1	7.3	2440	2340	1690	2130	935	870	640
17	8.4	6.8	5.3	5.9	7.9	2310	2300	1690	2090	931	868	641
18	8.0	6.6	5.3	5.8	9.0	2260	2250	1700	2090	926	864	640
19	7.5	6.7	5.3	6.0	9.1	2240	2220	1170	2050	920	862	640
20	7.5	6.5	5.3	5.9	8.2	2230	2210	938	1860	927	863	639
21	6.9	6.2	5.3	6.1	7.7	2230	2210	1010	1460	935	864	639
22	7.2	6.3	5.3	6.4	8.1	2230	2210	1150	1320	930	860	584
23	7.2	6.1	5.3	6.2	9.4	2240	2210	1670	1070	931	858	551
24	7.5	6.4	5.3	6.2	9.5	2290	2220	2090	939	934	856	552
25	7.4	6.4	5.3	6.1	9.0	2400	1800	2020	987	928	858	552
26	7.8	6.0	5.3	5.9	9.1	2530	1590	2370	1030	924	857	552
27	8.0	6.0	5.3	5.6	9.1	2560	1610	2260	1080	926	856	552
28	7.6	6.0	5.3	5.8	9.0	2580	1700	2600	1370	934	852	551
29	7.5	6.2	5.3	6.0	---	2710	1780	3700	1340	927	852	551
30	7.2	6.1	5.3	6.1	---	2910	1660	4610	980	918	855	240
31	7.4	---	5.3	6.3	---	3000	---	4490	---	911	852	---
TOTAL	2627.3	198.0	172.1	177.7	207.8	61079.1	67890	60038	68936	28908	26968	19670
MEAN	84.8	6.60	5.55	5.73	7.42	1970	2263	1937	2298	933	871	656
MAX	387	7.3	6.2	6.4	9.5	3110	2970	4610	4350	997	903	849
MIN	6.6	6.0	5.3	5.3	6.0	9.0	1590	938	939	906	852	240
AC-FT	5210	393	341	352	412	121200	134700	119100	136700	57340	53530	39020

CAL YR 1985 TOTAL 178693.8 MEAN 490 MAX 2260 MIN 5.3 AC-FT 354400
WTR YR 1986 TOTAL 336892.0 MEAN 923 MAX 4610 MIN 5.3 AC-FT 668200

13147900 LITTLE WOOD RIVER ABOVE HIGH FIVE CREEK, NEAR CAREY, ID

LOCATION.--Lat 43°29'30", long 114°03'30", about center of sec.22, T.2 N., R.20 E., Blaine County, on left bank above maximum flow line of Little Wood Reservoir, 0.4 mi downstream from Copper Creek, 0.6 mi upstream from High Five Creek, 13.5 mi northwest of Carey, and at mile 83.0.

DRAINAGE AREA.--248 mi^2. Mean elevation, 7,220 ft.

PERIOD OF RECORD.--October 1958 to September 1974, October 1979 to current year (no winter record in water year 1982).

GAGE.--Water-stage recorder. Elevation of gage is 5,320 ft, by barometer.

REMARKS.--Estimated daily discharge: Nov. 11 to Apr. 2 and Sept. 5-10. Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 1,300 acres (1966 determination).

AVERAGE DISCHARGE.--22 years (1959-74, 1980-81, 1983-86), 172 ft^3/s, 124,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,480 ft^3/s Apr. 22, 1969, gage height, 7.01 ft; minimum, 16 ft^3/s Aug. 20, 1961, gage height, 1.38 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 660 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 30	1845	*1200	5.28	May 4	0145	702	4.11
Apr. 8	2300	1000	4.92	May 21	1845	748	4.23
Apr. 28	0100	867	4.53	May 30	0230	*1200	*5.29

Minimum daily discharge, 37 ft^3/s Nov. 24.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 31 to Apr. 14; stage-discharge relation affected by ice Nov. 11-17)

1.2	27	2.5	219
1.3	36	3.0	341
1.4	46	4.0	662
1.6	69	5.0	1070
2.0	125	6.0	1560

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	70	52	50	70	130	684	453	1150	247	95	60
2	68	70	54	48	70	138	596	503	1070	237	92	63
3	65	70	56	50	70	166	526	615	1070	240	90	61
4	63	69	54	48	66	171	527	698	1040	237	87	59
5	62	69	56	50	62	174	527	621	946	216	84	58
6	61	66	58	52	60	176	600	604	809	190	82	56
7	65	65	60	52	58	193	709	583	708	178	79	56
8	65	67	62	52	56	536	744	518	630	173	78	58
9	60	58	60	54	54	458	744	459	598	176	77	70
10	61	51	50	54	56	406	767	473	508	171	75	68
11	61	55	45	54	58	366	677	446	519	165	73	60
12	61	60	43	52	62	347	705	412	542	161	71	59
13	59	60	44	50	64	322	574	405	520	153	69	58
14	59	58	45	50	68	295	463	396	527	146	66	63
15	59	56	46	52	75	274	426	385	542	144	65	79
16	58	54	48	55	80	266	424	371	518	141	64	77
17	58	54	50	58	80	246	397	364	517	137	64	79
18	58	52	50	58	78	232	371	380	515	125	64	79
19	57	48	50	58	80	233	364	429	480	122	61	78
20	57	46	48	58	80	258	409	544	413	119	61	81
21	59	44	48	54	82	309	560	701	370	116	66	80
22	66	42	50	54	86	371	740	649	358	113	75	77
23	73	38	52	54	90	414	826	547	358	113	73	77
24	77	37	54	54	95	451	755	498	355	111	71	81
25	74	40	52	54	100	418	673	517	351	109	67	82
26	75	43	52	56	110	422	587	627	339	108	62	83
27	74	45	50	58	118	486	530	822	333	107	61	89
28	73	48	48	64	125	649	503	1010	317	105	60	89
29	71	50	48	68	---	851	486	1100	309	103	64	84
30	70	52	48	70	---	959	457	1130	275	101	82	88
31	72	---	48	70	---	891	---	1120	---	98	63	---
TOTAL	2010	1637	1581	1711	2153	11608	17351	18380	16987	4662	2241	2152
MEAN	64.8	54.6	51.0	55.2	76.9	374	578	593	566	150	72.3	71.7
MAX	77	70	62	70	125	959	826	1130	1150	247	95	89
MIN	57	37	43	48	54	130	364	364	275	98	60	56
AC-FT	3990	3250	3140	3390	4270	23020	34420	36450	33690	9250	4450	4270

CAL YR 1985 TOTAL 41073 MEAN 113 MAX 871 MIN 30 AC-FT 81470
WTR YR 1986 TOTAL 82473 MEAN 226 MAX 1150 MIN 37 AC-FT 163600

13148200 LITTLE WOOD RESERVOIR NEAR CAREY, ID

LOCATION.--Lat 43°25'30", long 114°01'30", in SW¼ sec.12, T.1 N., R.20 E., Blaine County, Hydrologic Unit 17040221, at gate-control structure near right end of Little Wood Dam on Little Wood River, 8.5 mi northwest of Carey, and at mile 78.8.

DRAINAGE AREA.--279 mi^2.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,100 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to April 1983, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earth- and rock-fill dam constructed in 1939 and raised 39.9 ft in 1959. Storage began Feb. 12, 1941. Capacity of reservoir is 29,960 acre-ft between gage heights 27.4 ft, 0.4 ft below bottom of outlet gates, and 137.3 ft, spillway crest. Water is used for irrigation of land near Carey.

COOPERATION.--Gage readings and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 30,940 acre-ft June 10, 1963, gage height, 138.99 ft; minimum observed, 66 acre-ft Aug. 17, 1959, gage height, 30.22 ft, but may have been less during period Aug. 14 to Sept. 13, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 30,500 acre-ft May 3, 29-30, June 1, 2; maximum gage height, 138.27 ft June 2; minimum contents observed, 6,240 acre-ft Sept. 30; minimum gage height observed, 79.52 ft Sept. 30.

Capacity table (gage height, in feet, and contents, in acre-feet)

70.0	4100	100.0	12500
80.0	6400	120.0	20900
90.0	9160	140.0	31500

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6990	10700	13700	17700	21700	22300	23400	30200	30500	29200	16900	---
2	7120	10800	13900	17800	---	22900	23700	30300	30500	29000	16500	9400
3	7200	10900	14000	17900	22000	23400	23900	30500	30400	28800	16200	9280
4	7310	11100	14100	18000	21900	---	24100	30400	30400	28500	15800	9100
5	7450	---	14300	18200	---	23800	24400	30300	30200	28500	15500	8940
6	7530	11200	14400	18300	22100	23600	24900	30200	30100	28200	15200	8790
7	7640	11400	14600	18400	---	23500	25500	30400	30000	27800	14900	8680
8	7750	11400	---	18600	---	24000	26300	30400	30100	27400	14700	8440
9	7920	11400	14900	18700	---	24300	27000	30400	30100	27000	14500	8320
10	8030	11500	14900	18800	---	24100	27600	30300	30200	26500	14200	8260
11	8180	11600	15000	18900	22700	23900	28000	30200	30200	26100	14000	8150
12	8240	11700	15100	19100	---	23400	28400	30200	30200	25700	13700	8030
13	8350	11800	15200	19200	23000	22900	28500	30300	30200	25300	13500	7920
14	8500	11800	15300	19300	---	22500	28500	30200	30200	24800	13400	7750
15	8620	11900	15500	19500	23000	21800	28500	30200	30100	24500	13200	7700
16	8700	12000	15600	19600	23200	21600	28300	30100	30100	24100	13000	7610
17	8790	12100	15700	19700	23400	21600	28100	30100	30100	23600	12800	7500
18	8910	12100	15900	19900	23600	21400	27900	30000	30000	---	12600	7390
19	9000	12300	16000	20000	24000	21600	27700	30100	30000	22300	12400	7260
20	9120	12400	16100	20100	23800	22100	27700	30100	29900	21800	12200	7180
21	9160	12500	16200	20200	23800	21800	27900	30100	29900	21200	12000	7100
22	9280	12500	16400	---	23600	21400	28400	30000	29800	20700	11900	6990
23	9460	12600	16500	---	23300	21100	29100	29900	29800	20200	11700	6880
24	9620	12800	16600	---	22900	20700	29700	29800	29800	19700	11500	6730
25	9740	12900	16800	---	22600	20400	30000	29700	29700	19200	11300	6600
26	9870	13000	16900	---	---	20200	30200	29800	29600	18800	11000	6520
27	10000	13200	17000	21000	---	20300	30200	30200	29600	18500	10700	6440
28	10100	13300	17100	21100	22400	20600	30100	30400	29500	18200	10500	6420
29	10300	13400	17300	---	---	21200	30100	30500	29400	17800	---	6340
30	10400	13600	17400	21400	---	---	30200	30500	29300	17500	10200	6240
31	10500	---	17500	21500	---	22900	---	30400	---	17200	9900	---
MAX	10500	---	---	---	---	---	30200	30500	30500	---	---	---
MIN	6990	---	---	---	---	---	23400	29700	29300	---	---	---
(†)	5194.27	5202.95	5212.87	5221.30	5223.20	5224.16	5237.73	5238.12	5236.21	5211.99	5192.40	5179.52
(‡)	3600	3100	3900	4000	900	500	7300	200	-1100	-12100	-7300	-3660

CAL YR 1985 ....(‡) -1800
WTR YR 1986 ....(‡) -660

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13148500 LITTLE WOOD RIVER NEAR CAREY, ID

LOCATION.--Lat 43°23'20", long 114°00'00", in E½ sec.30, T. 1 N., R. 21 E., Blaine County, Hydrologic Unit 17040221, on right bank 0.3 mi upstream from West Canal, 1.3 mi upstream from East Canal, 2 mi downstream from Little Fish Creek, 3 mi downstream from Little Wood Reservoir, 6 mi northwest of Carey, and at mile 75.5.

DRAINAGE AREA.--312 mi^2.

PERIOD OF RECORD.--April 1904 to May 1905 (gage heights and discharge measurements only), September 1926 to November 1942, April 1943 to current year. Monthly discharge only for some periods, published in WSP 1317. Records for February 1920 to September 1926 at site 6 mi upstream not equivalent owing to diversion and inflow.

GAGE.--Water-stage recorder. Datum of gage is 4,990.59 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Apr. 28, 1904, to May 31, 1905, nonrecording gage, Sept. 20, 1926, to Apr. 22, 1938, water-stage recorder, and Apr. 23 to Aug. 17, 1938, nonrecording gage, all at datum 0.74 ft higher.

REMARKS.--Estimated daily discharge: Nov. 13-19, 22-26, Dec. 2-4, Dec. 8 to Jan. 14, Jan. 24-27, Feb. 3-11, Apr. 30 to May 30. Records fair except for periods of estimated daily discharges, which are poor. Flow regulated by Little Wood Reservoir 3 mi upstream (see sta 13148200) and other upstream storage in Cameron and Howard Reservoirs on Little Fish Creek, combined capacity, 760 acre-ft, before dams washed out on Apr. 24, 1982. Diversions above station for irrigation of about 1,500 acres (1966 determination).

AVERAGE DISCHARGE.--59 years (1927-42, 1944-86), 160 ft^3/s, 115,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft^3/s due to failure of reservoirs on Little Fish Creek Apr. 24, 1982, gage height, 16.74 ft; maximum discharge prior to Apr. 24, 1982, 6,000 ft^3/s due to failure of reservoirs on Little Fish Creek Apr. 20, 1938, gage height, 12.81 ft, both floods at present datum and from rating curves extended on basis of slope area measurements; maximum discharge other than dam failures, 2,680 ft^3/s Apr. 27, 1952, gage height, 8.95 ft; minimum 1 ft^3/s Jan. 26, 1945, Jan. 20, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,220 ft^3/s June 3, gage height, 5.21 ft; minimum daily discharge, 4.6 ft^3/s Dec. 29 to Jan. 9.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 13-19, 22-26,
Dec. 2-4, Dec. 8 to Jan. 14, Jan. 24-27, Feb. 3-11)

0.7	2.0	1.8	70
0.8	4.0	2.0	96
1.0	10	2.5	182
1.2	20	3.0	302
1.4	32	4.0	640
1.6	50	5.0	1100
		6.0	1720

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.5	5.7	4.6	8.4	49	724	500	1180	339	264	183
2	16	8.8	5.8	4.6	9.1	54	708	490	1110	347	288	161
3	17	8.9	6.0	4.6	9.2	54	693	500	1180	345	264	147
4	17	9.1	6.0	4.6	9.0	149	696	520	1150	285	247	145
5	18	9.1	6.1	4.6	8.8	372	594	560	1000	262	233	139
6	13	8.9	6.8	4.6	8.4	379	623	620	905	400	233	137
7	10	41	6.0	4.6	8.2	425	636	650	734	405	227	136
8	10	31	5.8	4.6	8.0	602	652	600	612	373	207	136
9	10	29	5.4	4.6	7.8	534	739	520	642	395	201	139
10	9.5	28	5.0	4.8	7.8	594	850	540	532	405	205	141
11	13	28	5.0	4.8	8.0	662	825	500	484	376	202	136
12	14	28	4.8	5.0	8.0	624	858	450	552	393	195	129
13	14	28	4.8	5.2	42	600	808	450	568	386	184	130
14	14	24	4.8	5.4	76	588	750	440	541	393	135	131
15	15	20	4.8	5.7	70	579	759	430	554	397	176	130
16	15	15	5.0	5.8	96	582	747	430	549	400	180	141
17	15	10	5.0	7.8	120	363	718	420	528	395	152	146
18	15	9.0	5.0	7.1	130	37	748	430	509	389	175	145
19	15	7.5	5.0	7.0	201	37	738	480	485	386	170	138
20	15	5.7	5.0	7.5	205	143	680	600	465	386	169	140
21	15	5.9	5.0	9.0	234	615	643	750	422	383	168	144
22	15	6.0	5.2	9.8	292	622	606	720	403	388	174	141
23	17	6.0	5.2	7.6	381	683	615	640	401	384	174	141
24	16	6.0	5.2	7.4	401	686	611	560	390	372	180	147
25	16	5.8	5.0	7.0	391	623	580	600	385	348	183	143
26	13	5.8	5.0	7.2	377	588	669	700	360	317	195	134
27	13	5.7	5.0	7.4	378	483	703	900	349	295	210	134
28	13	5.7	4.8	7.6	199	593	666	1100	340	286	216	132
29	13	5.7	4.6	7.6	---	667	600	1150	322	258	224	139
30	13	5.7	4.6	7.7	---	751	550	1180	332	247	220	144
31	13	---	4.6	8.2	---	762	---	1180	---	253	202	---
TOTAL	437.5	416.8	162.0	194.0	3693.7	14500	20789	19610	17984	11001	6233	4229
MEAN	14.1	13.9	5.23	6.26	132	468	693	633	599	355	201	141
MAX	18	41	6.8	9.8	401	762	858	1180	1180	405	288	183
MIN	9.5	5.7	4.6	4.6	7.8	37	550	420	322	247	135	129
AC-FT	868	827	321	385	7330	28760	41230	38900	35670	21820	12360	8390

CAL YR 1985	TOTAL	47727.5	MEAN	131	MAX	708	MIN	4.5	AC-FT	94670
WTR YR 1986	TOTAL	99250.0	MEAN	272	MAX	1180	MIN	4.6	AC-FT	196900

13149700 FISH CREEK RESERVOIR NEAR CAREY, ID

LOCATION.--Lat 43°25'21", long 113°49'36", in SW¼NE¼NW¼ sec. 15, T. 1 N., R. 22 E., Blaine County, Hydrologic Unit 17040221, at left end of dam, and 9 mi northeast from Carey.

DRAINAGE AREA.--63.0 mi^2 (Idaho Department of Water Resources).

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Nonrecording gage.

REMARKS.--Reservoir is formed by concrete buttress dam. Water is used for irrigation in Carey valley by Carey Valley Reservoir Company. Capacity is 12,740 acre-ft at crest of spillway. Use of flashboards at spillway increases overall capacity to 14,720 acre-ft.

COOPERATION.--Gage readings and capacity table provided by Carey Valley Reservoir Company.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 14,500 acre-ft Apr. 25, 1985, gage height, 91.2 ft; minimum observed, 1,820 acre-ft Oct. 1, 1985, gage height, 49.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 14,400 acre-ft Apr. 25, 26, May 24, June 24, gage height, 91.0 ft; minimum observed, 1,820 acre-ft Oct. 1, gage height, 49.0 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
0800 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	2590	3560	4540	6120	7730	13800	13800	13900	---	---	---
2	---	---	---	---	---	---	13400	13800	14400	---	---	---
3	---	---	---	---	---	---	13400	13800	14400	---	---	---
4	---	---	---	---	---	---	13400	13800	14400	---	---	---
5	---	---	---	---	---	---	13400	13900	13900	---	---	---
6	---	---	---	---	---	---	---	13900	13900	---	---	---
7	---	---	---	---	---	---	---	13900	13900	---	---	---
8	2070	---	---	---	---	---	---	13900	13900	---	---	---
9	---	---	---	---	---	---	---	13900	13900	---	---	---
10	---	---	---	---	---	---	---	13900	13900	---	---	3840
11	---	---	---	---	---	---	---	13900	13900	---	---	---
12	---	---	---	---	---	---	---	13900	13900	---	---	---
13	---	---	---	---	---	---	13400	13900	13900	---	---	---
14	---	---	---	---	---	---	13400	13900	13900	---	---	---
15	---	---	---	---	---	---	13400	13900	13900	---	---	---
16	---	---	---	---	---	---	13400	13900	13900	---	---	---
17	---	---	---	---	---	---	13400	13900	13800	---	---	---
18	---	---	---	---	---	---	13300	13800	13800	---	---	---
19	---	---	---	---	---	12300	13300	13800	13800	---	---	---
20	---	---	---	---	---	---	13400	13900	13800	8050	---	---
21	---	---	---	---	---	---	13800	13900	13400	8050	---	---
22	2430	---	---	---	---	---	13900	13900	13300	7730	---	---
23	---	---	---	---	---	12300	13900	13900	13300	7700	---	---
24	---	---	---	---	---	12300	13900	14400	13300	7380	---	---
25	---	---	---	---	---	12800	14400	13900	12800	7380	5790	---
26	---	---	---	---	---	12800	14400	13900	12800	7350	---	---
27	---	---	---	---	---	12800	13900	13900	12800	---	---	---
28	---	---	---	---	7660	12800	13900	13900	12800	---	---	---
29	---	---	---	---	---	13300	13900	13900	---	---	---	---
30	---	3520	---	---	---	13300	13900	13900	12300	---	4290	3780
31	2580	---	4520	5990	---	13800	---	13900	---	7080	4250	---
MEAN	---	---	---	---	---	---	---	13900	---	---	---	---
MAX	---	---	---	---	---	---	---	14400	---	---	---	---
MIN	---	---	---	---	---	---	---	13800	---	---	---	---

13150430 SILVER CREEK AT SPORTSMAN ACCESS, NEAR PICABO, ID

LOCATION.--Lat 43°19'22", long 114°08'29", in SE¼NW¼ sec. 20, T. 1 S., R. 20 E., Blaine County, Hydrologic Unit 17040221, on right bank at sportsman access road crossing to campground, 0.6 mi downstream from State Highway 68 crossing, 2.3 mi northwest of Picabo, and 4.3 mi southeast of Gannett.

DRAINAGE AREA.--70 mi^2, approximately.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.-- Estimated daily discharges: Nov. 17-28, Dec. 10 to Jan. 8, Jan. 12, 21, 26, Feb. 5-10. Records fair except for estimated daily discharges, which are poor. No regulation. Several diversions above station for irrigation.

AVERAGE DISCHARGE.--12 years, 176 ft^3/s, 127,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 566 ft^3/s Apr. 10, 1985, gage height, 8.82 ft; minimum daily, 69 ft^3/s June 30, July 17, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 401 ft^3/s Feb. 19, gage height, 8.34 ft; minimum daily, 111 ft^3/s June 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	175	163	160	182	282	196	178	118	128	158	180
2	181	173	171	160	187	273	197	172	118	132	159	177
3	181	171	172	165	190	272	193	177	119	125	164	171
4	176	173	166	160	185	261	192	179	119	126	169	170
5	178	171	166	165	182	253	191	179	119	130	169	166
6	181	171	166	168	180	248	191	184	126	139	170	163
7	182	174	167	165	168	246	191	189	130	146	174	164
8	177	175	173	168	160	306	195	195	141	136	175	162
9	180	173	170	170	165	339	199	191	143	134	184	167
10	183	167	165	170	170	300	197	188	142	135	181	176
11	183	168	145	167	175	297	194	183	135	139	180	182
12	190	171	130	167	176	289	195	178	133	137	182	184
13	183	171	125	167	181	261	196	175	136	133	186	189
14	181	172	130	166	177	245	192	162	135	129	191	196
15	180	174	135	167	196	235	190	151	134	130	192	219
16	180	174	140	168	222	234	190	145	130	132	188	219
17	179	174	140	180	258	240	187	145	126	130	184	213
18	179	174	145	177	305	242	186	142	125	130	186	211
19	186	170	150	177	385	228	184	141	123	129	185	211
20	177	170	155	177	369	223	183	132	118	130	181	215
21	175	165	160	175	311	219	183	129	112	132	187	216
22	175	160	160	174	276	215	182	135	111	135	190	215
23	189	150	160	176	280	211	180	135	113	133	192	215
24	193	140	155	174	346	208	179	132	115	139	198	216
25	190	145	155	172	371	203	181	130	119	141	201	220
26	185	150	155	172	337	201	179	128	119	146	191	225
27	183	160	155	171	312	199	178	126	117	152	191	238
28	180	165	150	172	291	198	182	123	119	156	191	242
29	177	167	150	172	---	197	181	119	119	158	186	240
30	177	165	155	172	---	196	179	117	122	158	183	243
31	175	---	155	177	---	195	---	119	---	161	183	---
TOTAL	5617	5008	4784	5271	6737	7516	5643	4779	3736	4261	5651	6005
MEAN	181	167	154	170	241	242	188	154	125	137	182	200
MAX	193	175	173	180	385	339	199	195	143	161	201	243
MIN	175	140	125	160	160	195	178	117	111	125	158	162
AC-FT	11140	9930	9490	10460	13360	14910	11190	9480	7410	8450	11210	11910

CAL YR 1985 TOTAL 60366 MEAN 165 MAX 530 MIN 93 AC-FT 119700
WTR YR 1986 TOTAL 65008 MEAN 178 MAX 385 MIN 111 AC-FT 128900

13152500 MALAD RIVER NEAR GOODING, ID

LOCATION.--Lat 42°53'12", long 114°48'08", in NE¼NE¼SW¼ sec. 21, T. 6 S., R. 14 E., Gooding County, Hydrologic Unit 17040219, on right bank at Hodson Ranch, 3.1 mi downstream from bridge on Bliss-Gooding highway, 4.2 mi downstream from Little Wood River, 6 mi southwest of Gooding, and at mile 7.2.

DRAINAGE AREA.--2,990 mi^2, approximately.

PERIOD OF RECORD.--March 1916 to current year (fragmentary from October 1923 to September 1926; no winter records for water years 1923, 1936-37, 1942; irrigation seasons only for water years 1927-35). October 1959 to September 1984, published as "Big Wood River near Gooding."

REVISED RECORDS.--WSP 1347: 1934.

GAGE.--Water-stage recorder. Elevation of gage is 3,345 ft, [illegible] topographic map. Prior to Apr. 13, 1921, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Oct. 15-16, Nov. 12, 14-15, Nov. 18 to Feb. 11, Feb. 19-20, Feb. 26 to Mar. 4, July 24 to Aug. 14. Records fair except for estimated periods, which are poor. Flow regulated by Magic Reservoir (see sta 13142000) and by several smaller reservoirs on tributaries and affected by deliveries from canals diverting from Snake River at Milner. Diversions above station for irrigation of about 144,000 acres, of which about 4,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--54 years (1917-22, 1930-41, 1943-86), 310 ft^3/s, 224,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,860 ft^3/s Dec. 22, 1964, gage height, 12.15 ft, from floodmarks; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,470 ft^3/s Feb. 18, gage height, 10.04 ft; minimum, 10.6 ft^3/s, gage height, 0.28 ft, Oct. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687	114	85	74	680	700	2690	992	2940	254	300	282
2	717	122	85	74	370	620	2670	877	2910	186	290	333
3	711	125	85	74	320	500	2550	786	2870	156	300	348
4	715	129	90	74	250	520	2420	854	2810	182	280	358
5	668	132	90	74	180	300	2260	930	2930	294	275	381
6	650	141	85	74	150	310	2140	1070	3010	309	240	384
7	657	154	100	74	120	970	2030	1130	2860	251	185	377
8	641	162	100	72	110	1510	1950	1170	2560	231	180	386
9	625	170	100	72	105	1490	2160	1170	2250	242	235	441
10	633	182	100	72	105	1280	2290	1190	1820	229	245	483
11	670	205	85	72	115	1870	2380	1200	1680	221	235	488
12	393	200	90	74	121	2320	2450	1160	1080	208	240	533
13	283	114	90	74	135	2560	2520	1090	1140	215	240	541
14	252	90	85	76	141	2550	2600	1000	1400	216	250	488
15	140	85	75	78	708	2380	2480	983	1420	207	273	528
16	80	82	75	80	1820	2190	2370	1050	1430	198	278	587
17	59	108	80	90	2850	2050	2280	1020	1360	182	277	588
18	47	80	80	120	4520	1910	2230	971	1220	207	276	542
19	36	90	80	150	2800	1790	2110	879	1120	182	263	534
20	33	105	80	300	1750	1710	2030	567	1120	188	274	564
21	29	105	80	250	1160	1690	2010	373	960	203	248	585
22	33	100	75	180	811	1740	1840	464	634	218	273	544
23	45	80	75	130	1240	1930	1600	527	475	215	297	553
24	45	75	75	110	1210	1940	1580	795	387	213	316	511
25	44	75	75	100	1020	2010	1640	1150	289	240	292	525
26	38	70	74	100	1000	2070	1220	1050	241	280	280	550
27	48	70	72	100	800	2130	1180	1230	200	285	253	531
28	48	70	72	100	760	2100	1270	989	217	275	223	589
29	51	80	72	105	---	2180	1240	1190	213	265	205	599
30	60	80	72	200	---	2440	1220	2110	386	280	228	587
31	62	---	72	700	---	2590	---	2850	---	275	252	---
TOTAL	9218	3424	2594	3923	25481	52450	61410	32797	43922	7130	7983	14737
MEAN	297	114	83.7	127	910	1692	2047	1058	1464	230	258	491
MAX	717	205	100	700	4520	2590	2690	2850	3010	309	316	599
MIN	29	70	72	72	105	300	1180	373	200	156	180	282
AC-FT	18280	6790	5150	7780	50540	104000	121800	65050	87120	14140	15830	29230

CAL YR 1985 TOTAL 126906 MEAN 348 MAX 2330 MIN 29 AC-FT 251700
WTR YR 1986 TOTAL 265088 MEAN 726 MAX 4520 MIN 29 AC-FT 525800

13152940 MALAD RIVER POWER FLUME NEAR BLISS, ID

LOCATION.--Lat 42°51'54", long 114°53'11", in NE¼NW¼NW¼ sec. 35, T. 6 S., R. 13 E., Gooding County, Hydrologic Unit 17040219, on right bank 0.2 mi upstream from U.S. Highway 30 bridge, and 3 mi north of Hagerman.

PERIOD OF RECORD.--June 1985 to current year. Previous discharge measurements were made and published as miscellaneous measurements.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharge. Records poor. Flow is diverted from the Malad River and the Malad Springs. Regulation is by the upper and lower power plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,420 ft^3/s Sept. 21, 1986; no flow on Sept. 10, 1985, and July 15-17, 1986.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1330	1290	1250	1220	1320	1210	1170	1280	762	1120	1240	1330
2	1270	1300	1270	1210	1310	1190	1100	1260	1140	1090	1240	1340
3	1330	1300	1270	1210	1260	1180	1090	1080	983	1070	1250	1340
4	1330	1290	1270	1210	1300	1130	1080	1280	1110	1090	1260	1340
5	1330	1300	1270	1220	1280	1150	1120	1290	870	1080	1260	1350
6	1330	1290	1270	1220	1270	1170	1180	1300	1160	1090	1250	1350
7	1330	1300	1270	1220	1270	1250	1140	1260	1170	1080	1250	1350
8	1330	1300	1260	1220	1260	1270	1120	1310	1200	1080	1260	1340
9	1330	1300	1270	1220	1270	1210	1160	1300	1170	1100	1270	1350
10	1330	1310	1270	1220	1250	1160	1240	1300	1160	1100	1260	1360
11	1330	1310	1260	1220	1250	1270	1300	1300	1200	1090	1270	1360
12	1320	1310	1260	1230	1260	1210	1300	1300	1170	1070	1270	1380
13	1310	1290	1260	1230	1270	1210	1290	1290	1220	1060	1270	1380
14	1310	1270	1230	1230	1270	1200	1300	1290	1300	400	1270	1380
15	1280	1260	1210	1240	1360	1180	1290	1280	1300	.00	1280	1400
16	1260	1280	1220	1240	1320	1190	1270	1290	1300	.00	1280	1410
17	1250	1280	1240	1240	1260	1170	1250	1290	1080	.00	1280	1350
18	1260	1280	1080	1270	940	1150	1240	1310	1270	220	1240	1400
19	1250	1260	1230	1280	850	1130	1270	1320	1250	1180	1290	1400
20	1260	1290	1230	1310	332	1160	1290	1290	1250	1180	1290	1410
21	1280	1290	1230	1290	1160	1190	1240	1280	1230	1200	1290	1420
22	1270	1280	1230	1230	1220	1200	1270	1280	1180	1210	1300	1410
23	1280	1260	1220	1270	1270	1170	1230	1290	1160	1200	1310	1410
24	1280	1260	1210	1270	1280	1120	1160	1310	1160	1190	1310	1390
25	1280	1190	1200	1280	1230	1130	1270	1280	1150	1190	1320	1390
26	1270	1240	1200	1260	1220	1140	1280	1300	1150	1210	1310	1390
27	1270	1250	1190	1250	1230	1150	1290	1230	1160	1200	1310	1380
28	1280	1230	1190	1260	1220	1160	1300	1260	1160	1130	1310	1380
29	1280	1270	1210	1260	---	1180	1300	1270	1160	1240	1300	1380
30	1280	1260	1210	1300	---	1230	1290	1220	1170	1230	1300	1350
31	1280	---	1200	1310	---	1260	---	694	---	1230	1320	---
TOTAL	40130	38340	38190	38620	33472	36720	36810	39014	34745	30340.00	39660	41220
MEAN	1295	1278	1232	1246	1195	1185	1227	1259	1158	979	1279	1374
MAX	1330	1310	1270	1310	1320	1270	1300	1320	1300	1240	1320	1420
MIN	1250	1180	1080	1210	332	1120	1080	694	762	.00	1240	1330
AC-FT	79600	76050	75750	76600	66390	72830	73010	77380	68920	60180	78670	81760

WTR YR 1986 TOTAL 447281.00 MEAN 1225 MAX 1420 MIN .00 AC-FT 887100

13153500 MALAD RIVER NEAR BLISS, ID

LOCATION.--Lat 42°51'48", long 115°34'04", in SE¼NE¼NW¼ sec.34, T.6 S., R.13 E., Gooding County, Hydrologic Unit 17040212, on right bank 700 ft upstream from mouth, and 8 mi southeast of Bliss.

DRAINAGE AREA.--3,000 mi^2, approximately.

PERIOD OF RECORD.--April to September 1889; December 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,750 ft above National Geodetic Vertical Datum of 1929, from topographic map. April to September 1889, nonrecording gage at same site and different datum.

REMARKS.--Estimated daily discharges: Aug. 28-31, Sept. 8, 9, 18-20. Records fair. Diversions from Big Wood, Little Wood, and Malad Rivers for irrigation above station and power generation for the Malad powerplants. Numerous springs enter the Malad River canyon within 2 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,150 ft^3/s Feb. 18, 1986; minimum daily, 66.0 ft^3/s Jan. 9, 10, 14, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,150 ft^3/s Feb. 18; minimum daily, 66.0 ft^3/s Jan. 9, 10, 14.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 20 to July 25)

1.4	63	3.0	453
1.6	90	3.5	655
1.8	144	4.5	1280
2.2	215	5.5	2350
2.5	297	6.5	3780
		6.8	4260

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	105	84	66	643	887	2330	888	2780	337	288	302
2	595	134	90	69	352	586	2390	804	2730	352	293	324
3	554	129	88	68	298	484	2320	833	2760	353	269	338
4	561	128	88	68	210	534	2260	757	2690	299	251	336
5	528	138	89	69	150	482	2080	825	2780	407	240	352
6	527	130	85	69	110	429	1850	919	2730	445	228	357
7	532	154	84	67	91	944	1880	1020	2830	416	200	349
8	518	154	90	67	85	1430	1810	1020	2470	385	201	355
9	505	164	86	66	96	1850	1840	1060	2290	328	223	391
10	504	182	87	66	88	1380	1900	1070	1920	322	252	420
11	528	193	88	67	70	1720	2080	1070	1580	352	257	419
12	380	188	84	68	76	2070	2130	1050	1220	372	245	445
13	253	111	84	73	100	2230	2190	984	1080	369	236	466
14	247	82	74	66	101	2230	2260	920	1280	884	236	413
15	162	84	71	68	327	2130	2200	903	1250	1160	267	419
16	130	87	75	68	1890	1980	2100	949	1270	1160	268	459
17	117	113	82	68	2830	1860	2040	939	1250	1150	269	517
18	120	91	105	118	4150	1740	2000	852	1110	983	283	432
19	116	96	76	132	2880	1880	1900	779	1030	283	261	435
20	82	103	78	288	2380	1480	1830	582	1030	255	268	453
21	84	105	77	101	1250	1410	1810	410	910	232	257	475
22	78	84	73	142	845	1450	1660	459	678	211	266	452
23	87	72	72	83	1220	1670	1410	505	545	233	281	457
24	85	70	71	87	1230	1800	1380	659	488	258	302	447
25	82	70	70	77	1080	1820	1360	1030	425	261	303	458
26	80	67	68	75	1000	1870	1080	990	375	290	278	480
27	78	67	68	77	849	1920	875	1140	306	293	274	480
28	82	67	68	74	743	1920	1080	989	303	305	267	522
29	88	78	68	78	---	1940	1060	1130	303	298	284	531
30	87	74	73	286	---	2090	1030	1830	368	288	284	546
31	83	---	68	650	---	2180	---	2630	---	280	270	---
TOTAL	8416	3341	2803	3515	25120	47788	54525	30108	42631	13520	8038	12830
MEAN	271	111	84.0	113	897	1541	1818	971	1421	436	260	428
MAX	595	193	105	650	4150	2230	2390	2630	2780	1160	303	546
MIN	78	67	68	66	70	429	875	410	303	211	200	302
AC-FT	16690	6630	5560	6970	49830	94780	108200	59720	84560	26820	15990	25450

CAL YR 1985 TOTAL 117988 MEAN 323 MAX 1860 MIN 67 AC-FT 234000
WTR YR 1986 TOTAL 252452 MEAN 692 MAX 4150 MIN 66 AC-FT 500700

DIVERSIONS FROM SNAKE RIVER

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN AND SNAKE RIVER AT KING HILL

13153773 KING HILL CANAL (WILEY SITE) NEAR BLISS, ID

LOCATION.--Lat 42°54'41", long 114°58'54", in NW¼SE¼SW¼ sec. 12, T. 6 S., R. 12 E., Twin Falls County, Hydrologic Unit 17040212, about 2.0 mi southwest of Bliss, and 12.0 mi southeast of King Hill.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 29.0 ft^3/s, Aug. 11, 1986; no flow for long periods.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	.00	.00	.00	.00	.00	.00	18	22	19	22	21
2	9.2	.00	.00	.00	.00	.00	.00	18	23	19	21	20
3	9.3	.00	.00	.00	.00	.00	.00	16	21	22	22	19
4	9.2	.00	.00	.00	.00	.00	.00	19	20	24	22	21
5	9.2	.00	.00	.00	.00	.00	.00	18	21	25	22	22
6	9.4	.00	.00	.00	.00	.00	.00	17	21	25	22	23
7	9.6	.00	.00	.00	.00	.00	.00	16	23	24	26	22
8	9.5	.00	.00	.00	.00	.00	.00	18	23	23	26	23
9	9.4	.00	.00	.00	.00	.00	.04	17	21	23	26	21
10	3.7	.00	.00	.00	.00	.00	.00	17	23	25	27	20
11	.00	.00	.00	.00	.00	.00	.00	17	22	25	29	20
12	.00	.00	.00	.00	.00	.00	.00	18	22	24	26	17
13	.00	.00	.00	.00	.00	.00	.00	19	24	22	24	15
14	.00	.00	.00	.00	.00	.00	.00	19	23	22	25	15
15	.00	.00	.00	.00	.00	.00	5.7	19	22	22	25	15
16	.00	.00	.00	.00	.00	.00	8.2	19	21	22	25	15
17	.00	.00	.00	.00	.00	.00	8.5	20	18	22	25	14
18	.00	.00	.00	.00	.00	.00	8.3	20	19	22	25	14
19	.00	.00	.00	.00	.00	.00	8.4	20	19	22	25	14
20	.00	.00	.00	.00	.00	.00	8.4	20	19	22	25	14
21	.00	.00	.00	.00	.00	.00	9.9	20	19	23	24	14
22	.00	.00	.00	.00	.00	.00	12	20	18	22	24	17
23	.00	.00	.00	.00	.00	.00	15	20	20	21	24	18
24	.00	.00	.00	.00	.00	.00	15	20	21	21	24	15
25	.00	.00	.00	.00	.00	.00	13	21	20	21	25	14
26	.00	.00	.00	.00	.00	.00	14	21	19	22	24	14
27	.00	.00	.00	.00	.00	.00	15	22	18	22	22	13
28	.00	.00	.00	.00	.00	.00	15	21	19	20	21	13
29	.00	.00	.00	.00	---	.00	17	21	19	21	21	13
30	.00	.00	.00	.00	---	.00	18	21	19	22	22	13
31	.00	---	.00	.00	---	.00	---	21	---	22	22	---
TOTAL	87.70	.00	.00	.00	.00	.00	191.44	595	619	691	743	509
MEAN	2.83	.00	.00	.00	.00	.00	6.38	19.2	20.6	22.3	24.0	17.0
MAX	9.6	.00	.00	.00	.00	.00	18	22	24	25	29	23
MIN	.00	.00	.00	.00	.00	.00	.00	16	18	19	21	13
AC-FT	174	.00	.00	.00	.00	.00	380	1180	1230	1370	1470	1010

WTR YR 1986 TOTAL 3436.14 MEAN 9.41 MAX 29 MIN .00 AC-FT 6820

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS AND SNAKE RIVER AT KING HILL

13153779 KING HILL CANAL (BLACK MESA SITE) NEAR KING HILL, ID

LOCATION.--Lat 42°35'14", long 115°09'54", in SE¼NE¼NE¼ sec. 8, T. 6 S., R. 11 E., Elmore County, Hydrologic Unit 17040212, about 8.5 mi south of King Hill.

PERIOD OF RECORD.--April to September 1986. Prior to 1986, miscellaneous measurements only.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 86.0 ft³/s July 3, 1986; no flow for long periods.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	60	82	81	76	55
2							---	66	82	75	77	55
3							.00	54	82	86	79	54
4							.00	64	83	80	79	54
5							.00	63	81	78	80	54
6							.00	63	66	74	78	54
7							.00	63	67	75	76	61
8							32	56	67	75	78	62
9							29	51	70	73	76	55
10							36	51	68	72	78	51
11							36	47	65	72	78	49
12							38	45	73	71	78	50
13							36	45	75	73	77	50
14							36	44	71	78	77	51
15							40	44	67	78	73	51
16							42	51	72	78	74	51
17							50	63	75	78	73	52
18							53	63	75	78	73	52
19							56	63	78	77	70	52
20							60	64	78	76	62	52
21							61	64	77	75	56	51
22							61	57	78	74	56	51
23							69	54	79	73	55	50
24							73	55	81	73	57	47
25							73	56	83	74	56	37
26							72	58	82	74	65	38
27							71	60	79	75	66	35
28							63	68	79	74	68	33
29							58	74	78	74	63	32
30							57	76	79	75	56	6.9
31							---	81	---	76	56	---
TOTAL							---	1823	2274	2345	2168	1445.9
MEAN							---	58.8	75.8	75.6	69.9	48.2
MAX							---	81	83	86	80	62
MIN							---	44	65	71	55	6.9
AC-FT							---	3620	4510	4650	4300	2870

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN AND SNAKE RIVER AT KING HILL

13153783 KING HILL CANAL (SITE NO. 1) AT KING HILL, ID

LOCATION.--Lat 42°59'53", long 115°12'28", in NW¼SE¼SE¼ sec.12, T.5 S., R10 E., Elmore County, Hydrologic Unit 17050101, about 0.5 mi south of King Hill.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Estimated daily discharges: Oct. 10, Apr. 18-20, May 8, 9, 18-20, 22, 28, 29, June 1, 5, 6, 8-10, 13, 17-19, 21, 25, July 4, 5, 8-10, 13-21, 26, 28, 31, Aug. 1-4, 9-29, Sept. 8-15, 21-24. Records poor. Estimated daily discharges are due to debris lodging in trash guard downstream. Flow consists of irrigation waste from King Hill Canal (Black Mesa Site) (sta 13153779).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18.0 ft^3/s April 20, 1985; no flow for many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	.00	.00	.00	.00	.00	.00	4.1	9.2	8.8	7.9	1.0
2	2.3	.00	.00	.00	.00	.00	.00	5.0	8.8	4.0	13	1.4
3	2.7	.00	.00	.00	.00	.00	.00	7.4	10	4.2	7.7	2.0
4	4.0	.00	.00	.00	.00	.00	.00	5.9	13	11	7.9	2.1
5	6.3	.00	.00	.00	.00	.00	.00	8.0	9.0	6.8	5.8	3.0
6	3.2	.00	.00	.00	.00	.00	.00	11	6.0	3.6	6.0	4.2
7	3.7	.00	.00	.00	.00	.00	.00	13	11	4.5	5.3	3.9
8	9.9	.00	.00	.00	.00	.00	.00	10	11	5.0	6.1	5.6
9	13	.00	.00	.00	.00	.00	2.1	7.8	11	10	5.4	6.0
10	5.7	.00	.00	.00	.00	.00	9.9	7.5	8.3	8.6	6.9	11
11	.37	.00	.00	.00	.00	.00	9.2	7.9	9.9	11	1.7	9.9
12	.01	.00	.00	.00	.00	.00	6.1	6.3	6.6	9.0	1.7	12
13	.00	.00	.00	.00	.00	.00	6.8	5.1	4.4	6.6	5.0	11
14	.00	.00	.00	.00	.00	.00	8.2	3.7	4.2	6.2	9.8	11
15	.00	.00	.00	.00	.00	.00	4.0	3.6	3.9	5.8	9.8	11
16	.00	.00	.00	.00	.00	.00	2.1	4.0	6.3	8.6	7.0	14
17	.00	.00	.00	.00	.00	.00	7.9	7.4	8.9	10	10	12
18	.00	.00	.00	.00	.00	.00	9.2	7.8	6.0	11	10	13
19	.00	.00	.00	.00	.00	.00	9.2	9.0	8.9	8.0	2.4	13
20	.00	.00	.00	.00	.00	.00	7.8	9.0	5.0	7.0	7.8	12
21	.00	.00	.00	.00	.00	.00	6.5	9.9	3.8	12	4.7	13
22	.00	.00	.00	.00	.00	.00	2.3	9.6	5.5	12	6.6	13
23	.00	.00	.00	.00	.00	.00	3.5	5.1	6.6	9.1	6.3	13
24	.00	.00	.00	.00	.00	.00	12	6.7	8.2	4.7	7.4	13
25	.00	.00	.00	.00	.00	.00	11	8.8	7.1	9.0	6.2	4.7
26	.00	.00	.00	.00	.00	.00	12	6.9	6.8	16	3.2	10
27	.00	.00	.00	.00	.00	.00	14	5.6	3.7	17	12	12
28	.00	.00	.00	.00	.00	.00	10	3.4	3.1	7.2	7.8	8.7
29	.00	.00	.00	.00	---	.00	3.0	6.1	4.3	4.6	4.8	12
30	.00	.00	.00	.00	---	.00	5.0	8.5	5.7	6.5	7.8	4.1
31	.00	---	.00	.00	---	.00	---	8.1	---	7.7	1.5	---
TOTAL	54.78	.00	.00	.00	.00	.00	161.80	222.2	216.2	255.5	205.5	262.6
MEAN	1.77	.00	.00	.00	.00	.00	5.39	7.17	7.21	8.24	6.63	8.75
MAX	13	.00	.00	.00	.00	.00	14	13	13	17	13	14
MIN	.00	.00	.00	.00	.00	.00	.00	3.4	3.1	3.6	1.5	1.0
AC-FT	109	.00	.00	.00	.00	.00	321	441	429	507	408	521

WTR YR 1986 TOTAL 1378.58 MEAN 3.78 MAX 17 MIN .00 AC-FT 2730

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN AND SNAKE RIVER AT KING HILL

13153786 KING HILL CANAL (GF #1 AT HEAD OF SIPHON) NEAR GLENNS FERRY, ID

LOCATION.--Lat 42°57'56", long 115°15'34", in NE¼NW¼NW¼ sec.27, T.5 S., R.10 E., Elmore County, Hydrologic Unit 17050101, about 2 mi east of Glenns Ferry.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair. Flow consists of unused irrigation water from King Hill Canal - Black Mesa site (sta 13153779) and is used to supplement King Hill Canal - Glenns Ferry #2 (sta 13155075).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15.0 ft^3/s July 27, 1985; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.00	.00	.00	.00	.00	.00	1.9	5.5	2.3	4.3	5.1
2	3.3	.00	.00	.00	.00	.00	.00	8.0	3.2	1.5	2.4	3.5
3	3.6	.00	.00	.00	.00	.00	.00	4.1	4.3	2.3	2.6	2.5
4	4.2	.00	.00	.00	.00	.00	.00	2.6	4.2	6.1	2.7	3.6
5	2.2	.00	.00	.00	.00	.00	.00	4.4	4.2	10	.58	3.1
6	1.2	.00	.00	.00	.00	.00	.00	3.7	12	4.1	3.6	3.2
7	2.7	.00	.00	.00	.00	.00	.00	5.5	11	4.5	4.2	6.0
8	4.6	.00	.00	.00	.00	.00	.00	7.1	4.6	2.6	2.5	14
9	5.8	.00	.00	.00	.00	.00	.00	1.3	4.7	2.5	2.4	8.5
10	5.1	.00	.00	.00	.00	.00	3.9	3.4	3.7	4.7	4.3	9.5
11	.75	.00	.00	.00	.00	.00	5.2	5.3	4.4	5.2	7.3	5.7
12	.32	.00	.00	.00	.00	.00	2.7	3.6	1.6	3.6	6.5	4.2
13	.00	.00	.00	.00	.00	.00	.17	3.7	7.6	1.7	4.9	2.6
14	.00	.00	.00	.00	.00	.00	.24	4.9	5.8	5.9	4.0	3.6
15	.00	.00	.00	.00	.00	.00	.39	2.8	8.2	3.0	3.7	3.2
16	.00	.00	.00	.00	.00	.00	1.7	.20	5.0	2.8	3.0	2.4
17	.00	.00	.00	.00	.00	.00	1.0	5.7	4.6	3.9	1.3	3.5
18	.00	.00	.00	.00	.00	.00	5.3	5.0	1.9	3.9	3.6	3.6
19	.00	.00	.00	.00	.00	.00	1.8	6.6	1.8	4.2	11	3.7
20	.00	.00	.00	.00	.00	.00	.95	4.4	3.6	4.0	7.1	3.5
21	.00	.00	.00	.00	.00	.00	.34	7.0	5.2	4.7	2.0	4.8
22	.00	.00	.00	.00	.00	.00	.24	7.3	3.2	4.0	2.3	6.0
23	.00	.00	.00	.00	.00	.00	4.3	4.1	3.3	2.8	1.9	7.0
24	.00	.00	.00	.00	.00	.00	3.4	4.3	3.0	2.5	4.1	6.3
25	.00	.00	.00	.00	.00	.00	3.6	3.4	.95	3.9	2.2	6.3
26	.00	.00	.00	.00	.00	.00	4.0	4.4	.56	5.7	2.2	5.4
27	.00	.00	.00	.00	.00	.00	3.8	5.0	2.3	8.0	7.6	8.7
28	.00	.00	.00	.00	.00	.00	2.9	3.7	1.4	5.7	5.4	5.9
29	.00	.00	.00	.00	---	.00	3.4	3.6	1.4	6.5	3.7	6.5
30	.00	.00	.00	.00	---	.00	1.5	2.6	3.7	6.6	.93	5.1
31	.00	---	.00	.00	---	.00	---	2.1	---	5.1	3.0	---
TOTAL	34.97	.00	.00	.00	.00	.00	50.83	131.70	124.91	134.3	117.31	157.0
MEAN	1.13	.00	.00	.00	.00	.00	1.69	4.25	4.16	4.33	3.78	5.23
MAX	5.8	.00	.00	.00	.00	.00	5.3	8.0	12	10	11	14
MIN	.00	.00	.00	.00	.00	.00	.00	.20	.56	1.5	.58	2.4
AC-FT	69	.00	.00	.00	.00	.00	101	261	248	266	233	311

WTR YR 1986 TOTAL 751.02 MEAN 2.06 MAX 14 MIN .00 AC-FT 1490

13154120 PIONEER RESERVOIR NEAR BLISS, ID

LOCATION.--Lat 42°50'39", long 115°03'42", in SE¼NW¼NW¼ sec. 17, T. 5 S., R. 12 E., Gooding County, Hydrologic Unit 17040212, about 6 mi northwest of Bliss.

PERIOD OF RECORD.--September 1985 to September 1986.

GAGE.--Non-recording gage. Elevation of gage is 3,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Reservoir is formed by earthfill dam. Water is used for irrigation. No capacity limits have been established.

EXTREMES FOR CURRENT PERIOD.--September 1985: Maximum observed gage height, 18.03 ft Sept. 26; minimum observed gage height, 15.66 ft Sept. 11.

Water Year 1986: Maximum observed gage height, 20.24 ft Apr. 21; minimum observed gage height, 15.02 ft Aug. 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												---
2												---
3												---
4												---
5												---
6												---
7												---
8												---
9												---
10												---
11												15.66
12												---
13												---
14												---
15												---
16												---
17												---
18												---
19												---
20												---
21												---
22												---
23												---
24												---
25												---
26												18.03
27												---
28												---
29												---
30												---
31												---
MEAN												---
MAX												---
MIN												---

CLOVER CREEK BASIN

13154120 PIONEER RESERVOIR NEAR BLISS, ID--Continued

GAGE HEIGHT (FEET) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---		18.65	---	---
2	---	---	---	---	---	---	---	---		---	---	---
3	---	---	---	---	---	---	---	---		---	---	---
4	---	---	---	---	---	---	---	---		---	---	---
5	---	---	---	---	---	---	---	---		---	---	---
6	---	---	---	---	---	---	---	---		---	---	---
7	---	---	---	---	---	---	---	---		---	---	---
8	---	---	---	---	---	---	---	---		---	---	---
9	---	---	---	---	---	---	---	---		---	---	---
10	---	---	---	---	---	---	---	---		---	---	---
11	---	---	---	---	---	---	---	---		---	---	---
12	---	---	---	---	---	---	---	---		---	---	---
13	---	---	---	---	---	---	---	---		---	---	---
14	---	---	---	---	---	---	---	---		---	---	---
15	---	---	---	---	---	---	---	---		---	---	---
16	---	---	---	---	---	---	---	---		---	---	---
17	---	---	---	---	---	---	---	---		---	---	---
18	---	---	---	---	---	---	---	---		---	---	---
19	---	18.78	18.86	---	---	---	---	---		---	---	---
20	---	---	---	---	---	---	---	---		---	---	---
21	---	---	---	---	---	---	20.24	---		---	---	---
22	---	---	---	---	---	---	---	---		---	---	---
23	---	---	---	---	---	---	---	---		---	---	16.92
24	---	---	---	---	---	---	---	---		---	---	---
25	---	---	---	---	---	19.60	---	---		---	---	---
26	---	---	---	---	19.80	---	---	---		---	15.02	---
27	---	---	---	---	---	---	---	20.10		---	---	---
28	---	---	---	18.90	---	---	---	---		---	---	---
29	---	---	---	---	---	---	---	---		---	---	---
30	18.82	---	---	---	---	---	---	---		17.12	---	---
31	---	---	---	---	---	---	---	---		---	---	---
MEAN	---	---	---	---	---	---	---	---		---	---	---
MAX	---	---	---	---	---	---	---	---		---	---	---
MIN	---	---	---	---	---	---	---	---		---	---	---

13154400 CLOVER CREEK NEAR KING HILL, ID

LOCATION.--Lat 43°00'11", long 115°10'44", in NW¼NE¼SW¼ sec.8, T.5 S., R.11 E., Elmore County, Hydrologic Unit 17040212, on right bank 0.4 mi upstream from mouth, and 1.2 mi east of King Hill.

DRAINAGE AREA.--265 mi^2, approximately.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,550 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 10, 11, 19, 21-28, Dec. 4-6, 8, 9, 11-18, 22-29, Jan. 4, 7, 8, 11-14, 17. Records good except for estimated daily discharges, which are fair. Flow regulated by Pioneer Reservoir (sta 13154120) and other diversions upstream for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 23, 1984 reached a discharge of 10,100 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft^3/s Feb. 18, 1986, gage height, 9.50 ft, from slope-area measurement of peak flow; minimum, 5.9 ft^3/s June 20, 1985, gage height, 2.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,640 ft^3/s Feb. 18, gage height, 9.50 ft, from slope-area measurement of peak flow; minimum daily, 7.6 ft^3/s Nov. 7.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 16, Jan. 18 to Feb. 16; stage-discharge relation
affected by ice Nov. 10, 11, 19, 21-28, Dec. 4-6, 8, 9, 11-18, 22-29, Jan. 4, 7, 8, 11-14, 17)

Oct. 1 to Jan. 16				Jan. 16 to Sept. 30			
2.2	6.2	2.8	57	2.5	8.8	5.0	498
2.3	8.2	3.0	135	2.7	13	6.0	1140
2.4	11	3.2	308	3.0	26	7.0	2240
2.6	22	3.3	475	3.5	80	8.0	3290
				4.0	168	9.3	4480

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	10	12	823	593	189	30	23	17	14	12
2	12	12	13	13	544	539	178	37	25	13	16	12
3	11	11	20	15	496	527	161	32	22	13	18	14
4	11	10	21	14	254	475	133	29	20	18	17	14
5	11	9.1	19	12	155	461	112	30	24	18	13	16
6	13	7.7	22	13	109	445	119	31	29	23	12	16
7	14	7.6	37	13	88	468	120	34	28	17	15	22
8	13	8.3	45	12	67	1430	114	33	41	17	15	17
9	14	8.2	29	11	56	1120	110	34	39	16	14	20
10	13	8.0	18	11	52	654	107	31	30	17	12	19
11	13	8.2	10	12	39	922	101	35	25	21	12	15
12	13	8.1	11	13	41	600	98	32	20	20	12	12
13	11	8.0	11	16	85	478	102	32	21	20	12	13
14	11	8.0	11	19	137	371	100	32	24	20	12	16
15	11	8.7	11	35	576	312	90	29	22	15	13	18
16	12	8.5	12	100	1550	274	74	28	21	14	13	17
17	12	8.9	12	494	2920	251	65	27	18	15	14	17
18	13	8.7	12	632	4460	214	51	27	12	14	13	15
19	15	8.8	13	616	3730	191	54	24	13	15	10	15
20	14	8.6	14	701	2120	201	56	24	15	14	11	17
21	15	8.5	13	385	908	209	56	23	17	17	12	17
22	14	8.7	13	176	929	219	53	25	16	17	12	17
23	75	8.3	13	126	2410	134	44	32	14	16	11	14
24	352	9.0	13	99	2050	198	47	34	14	18	11	13
25	62	9.4	14	74	1350	204	47	31	16	17	10	13
26	27	8.7	13	55	1030	190	47	28	16	16	9.8	13
27	23	9.2	13	43	899	195	48	23	17	15	11	15
28	19	9.7	12	40	694	218	50	21	14	14	11	14
29	17	10	12	151	---	224	42	16	15	16	12	14
30	16	11	12	611	---	221	39	16	16	15	14	14
31	15	---	12	899	---	207	---	18	---	14	13	---
TOTAL	883	271.9	491	5423	28572	12745	2607	887	627	512	394.8	461
MEAN	28.5	9.06	15.8	175	1020	411	86.9	28.6	20.9	16.5	12.7	15.4
MAX	352	13	45	899	4460	1430	189	39	41	23	18	22
MIN	11	7.6	10	11	39	134	39	16	12	13	9.8	12
AC-FT	1750	539	974	10760	56670	25280	5170	1760	1240	1020	783	914

WTR YR 1986 TOTAL 53874.5 MEAN 148 MAX 4460 MIN 7.6 AC-FT 106900

13154500 SNAKE RIVER AT KING HILL, ID

LOCATION.--Lat 43°00'08", long 115°12'08", in NW¼NW¼SW¼ sec.7, T.5 S., R.11 E., Elmore County, Hydrologic Unit 17040212, on right bank 300 ft east of railroad station at King Hill, 20 mi downstream from Big Wood River, and at mile 546.6.

DRAINAGE AREA.--35,800 mi^2, approximately. Mean elevation, 6,040 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1909 to current year.

REVISED RECORDS.--WSP 1317: 1935(M). WDR ID-76-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 2,492.3 ft above National Geodetic Vertical Datum of 1929 (stadia levels). Nonrecording gage May 13, 1909, to Mar. 1, 1910, on left bank at present site at datum 2.20 ft higher, Mar. 7 to Aug. 16, 1910, 0.8 mi upstream at different datum, and Aug. 17, 1910, to Oct. 7, 1928, at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir, 168.4 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. At times, practically entire flow is diverted at Milner during irrigation seasons; only minor diversions below Milner; flow at King Hill is then derived largely from springs and seepage entering below Milner. Diversions above station for irrigation of about 2,450,000 acres, of which about 675,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--77 years, 11,010 ft^3/s, 7,977,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 47,200 ft^3/s June 22, 1916, gage height, 16.3 ft, from rating curve extended above 30,000 ft^3/s; minimum observed, 1,250 ft^3/s Jan. 10, 1950, when flow was cut for gage repairs, gage height, 1.75 ft; minimum daily, 4,760 ft^3/s June 7-9, Aug. 15, 16, 1910.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,900 ft^3/s Apr. 7, gage height, 12.84 ft; minimum, 4,870 ft^3/s July 17, gage height, 4.65 ft; minimum daily, 7,910 ft^3/s July 17.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 6-30)

6.0	7770	10.0	19600
8.0	13100	13.0	31600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10900	10300	12200	13400	14700	17200	29800	24300	20100	9960	8200	9830
2	10900	10200	12400	13500	13800	17500	29800	24500	20100	9650	8190	10300
3	10500	10200	12400	13300	13400	16600	29200	24200	20300	9930	8240	10200
4	10200	10200	12400	13400	12800	16300	29500	23400	19100	10100	8330	10200
5	10200	11500	12600	13400	12500	17300	29200	23500	18900	9520	8310	10100
6	10300	12500	12400	13500	12200	16700	28900	25000	19800	10400	8350	10100
7	10400	11000	12700	13400	12000	17400	28700	24600	20700	10500	8570	10300
8	10400	10800	12600	13400	12000	20700	25200	26200	21600	9950	8590	10200
9	10400	10900	12400	13300	11200	22900	22100	27000	22300	8780	8700	10300
10	10500	11200	12300	13300	11900	23200	22000	27600	23900	8340	8690	10500
11	10500	11100	11800	13100	13000	24800	23500	27800	24600	7990	8760	10500
12	10300	11800	11400	13000	12900	25000	24300	27900	24900	7950	8730	11100
13	10200	11000	11700	12800	14300	26000	24100	27700	23900	7940	8670	10800
14	10700	10100	11900	12900	14800	26800	24200	27100	24400	8530	8670	10700
15	11000	10800	12200	12800	16100	26800	25400	26700	24200	8260	8760	11000
16	10700	13000	12200	13100	18400	24200	26300	26900	24800	8430	8790	11000
17	10500	13400	12300	13500	20800	19200	25900	27100	24900	7910	8910	10900
18	10500	12900	11800	14200	25400	15000	26500	26200	23800	8100	9110	11000
19	10400	12100	11400	14300	22900	11000	26700	26400	22600	8300	9150	10800
20	10400	11500	11700	14700	20200	11100	25800	25700	23100	8130	9630	11000
21	10100	11900	11700	14000	17900	15900	25700	23300	23300	8060	10100	11200
22	10100	11700	11600	13600	17100	26000	25100	22300	22900	7990	9120	11400
23	10200	11300	11700	13500	18600	28300	23000	20000	22900	8040	8330	11600
24	10300	11000	11700	13600	18200	28900	21900	21000	22000	8120	9670	11500
25	10600	11700	12000	13000	17500	28500	23000	22600	19900	8260	9800	11400
26	10300	11800	12500	13200	17000	28700	22700	22800	17600	8590	9540	12200
27	10200	11800	12500	13100	16600	28900	24000	23000	15000	8670	9440	14100
28	10200	11900	12500	12700	16400	28700	25200	22500	12500	8690	9350	14600
29	10200	12300	12500	13300	---	28900	24700	21700	11000	8600	9450	14900
30	10200	12300	12500	14300	---	29600	24000	22000	10900	8690	9750	14900
31	10200	---	12500	15300	---	29400	---	21000	---	7990	9960	---
TOTAL	322500	344200	376500	417900	444600	697500	766200	762000	626000	270370	277880	338630
MEAN	10400	11470	12150	13480	15880	22500	25540	24580	20870	8722	8964	11290
MAX	11000	13400	12700	15300	25400	29600	29800	27900	24900	10500	10100	14900
MIN	10100	10100	11400	12700	11200	11000	21900	20000	10900	7910	8190	9830
AC-FT	639700	682700	746800	828900	881900	1383000	1520000	1511000	1242000	536300	551200	671700

CAL YR 1985 TOTAL 4535320 MEAN 12430 MAX 20800 MIN 6570 AC-FT 8996000
WTR YR 1986 TOTAL 5644280 MEAN 15460 MAX 29800 MIN 7910 AC-FT11195000

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to September 1980 (discontinued).
WATER TEMPERATURES: March 1951 to September 1980 (discontinued).
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 595 µS/cm June 19, 1968; minimum daily, 296 µS/cm May 15, 1974.
WATER TEMPERATURES: Maximum daily, 23 °C Aug. 2, 1955; minimum daily, 3.0 °C Dec. 11, 16, 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV 06...	1245	11800	526	8.50	16.0	11.5	10.5	106	K9	86	210
JAN 07...	1255	13500	514	8.20	2.5	6.5	11.6	102	K3	41	210
MAR 04...	1220	16200	471	8.30	21.5	11.0	10.2	101	K17	120	180
MAY 07...	1245	24000	421	8.60	18.0	12.0	10.7	109	26	85	170
JUL 08...	1230	10300	456	8.40	33.0	15.5	9.6	104	K10	74	180
SEP 09...	1130	10100	486	8.50	21.5	16.0	9.7	108	K23	62	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV 06...	48	21	32	25	4.3	180	51	29	0.7	32
JAN 07...	50	20	29	23	5.0	188	50	25	0.7	30
MAR 04...	45	17	25	22	4.3	163	41	23	0.7	27
MAY 07...	44	15	19	19	3.3	151	42	19	0.5	17
JUL 08...	43	17	23	22	3.8	165	46	21	0.6	24
SEP 09...	--	--	--	--	--	168	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV 06...	314	330	0.43	10000	1.50	0.03	0.5	0.06	0.04	0.03
JAN 07...	318	320	0.43	11600	1.30	0.05	0.5	0.08	0.04	0.04
MAR 04...	287	280	0.39	1260	1.20	0.10	0.6	0.10	0.07	0.05
MAY 07...	260	260	0.35	16800	0.52	0.05	0.6	0.07	0.02	0.01
JUL 08...	278	280	0.38	7730	1.10	0.04	0.4	0.06	0.05	0.05
SEP 09...	--	--	--	--	1.30	0.06	0.6	0.07	0.04	0.03

K Results based on counts outside ideal range.

13154500 SNAKE RIVER AT KING HILL, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
NOV										
06...	10	50	<0.5	<1	<1	<3	3	<3	1	30
MAR										
04...	20	48	<0.5	2	3	<3	4	9	7	32
MAY										
07...	<10	46	<0.5	<1	1	<3	1	<3	1	29

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV									
06...	2	<0.1	<10	<1	<1	<1	270	9	5
MAR									
04...	3	0.2	<10	6	1	<1	260	6	19
MAY									
07...	<1	<0.1	<10	1	<1	<1	240	<6	4

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV			
06...	58	1850	--
JAN			
07...	81	2950	34
MAR			
04...	42	184	80
MAY			
07...	50	3240	82
JUL			
08...	18	501	81
SEP			
09...	23	627	77

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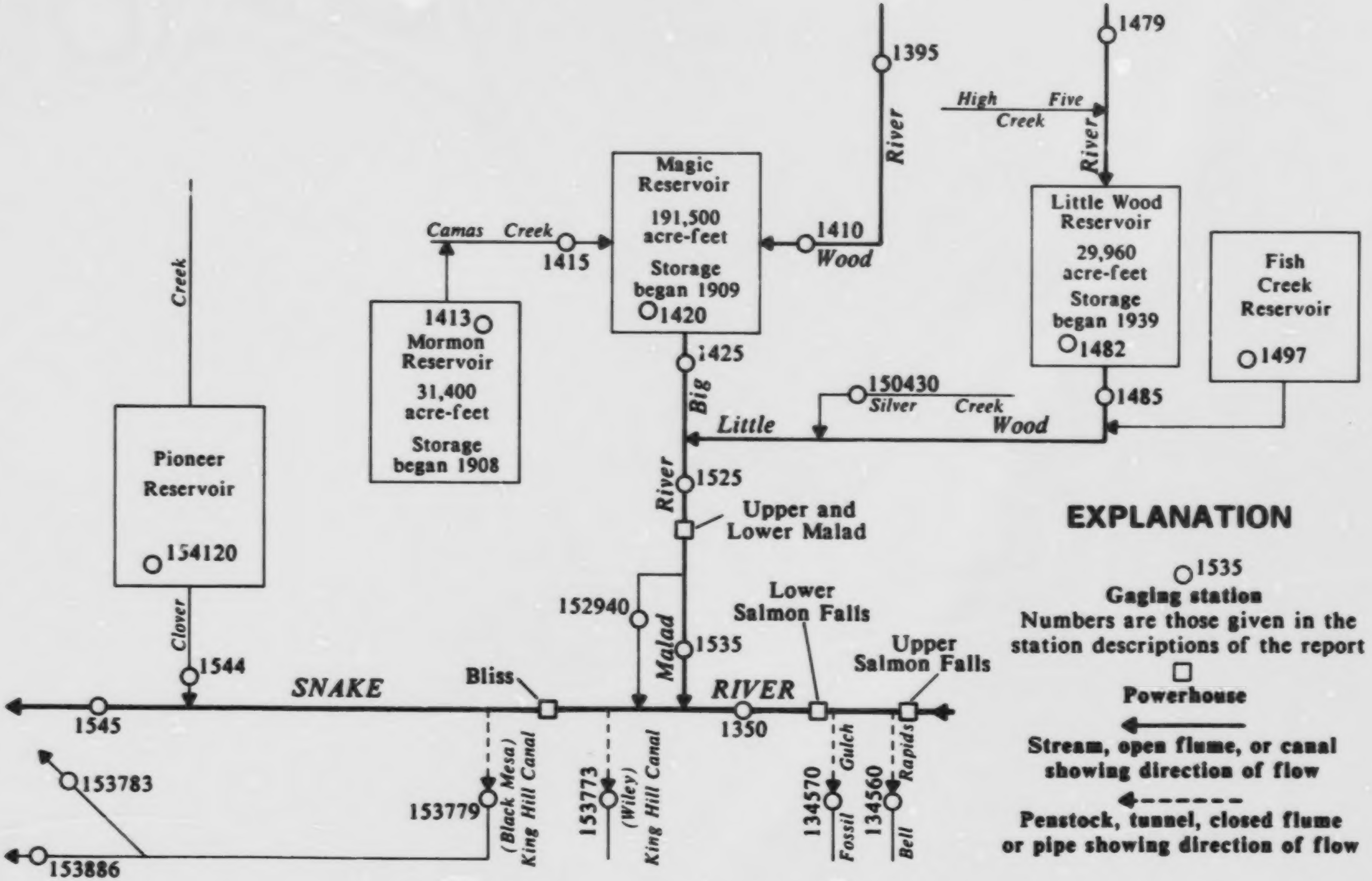
1395
River
Wood
1410
1479
High Five Creek
River
Magic Reservoir
191,500 acre-feet
Storage began 1909
1420
Camas Creek
1415
1413
Mormon Reservoir
31,400 acre-feet
Storage began 1908
Little Wood Reservoir
29,960 acre-feet
Storage began 1939
1482
Fish Creek Reservoir
1497
1485
150430
Silver Creek
Little Wood
1425
Big
River
1525
Upper and Lower Malad
Creek
Pioneer Reservoir
154120
Clover
1544
152940
Malad
1535
Lower Salmon Falls
Upper Salmon Falls
SNAKE
RIVER
Bliss
1545
1350
153783
153886
153779
(Black Mesa) King Hill Canal
153773
(Wiley) King Hill Canal
134570
Fossil Gulch
134560
Bell Rapids
EXPLANATION
1535
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 21.--Gaging stations in Snake River basin between Salmon Falls and King Hill.

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13155075 KING HILL CANAL (GLENNS FERRY NO. 2) NEAR GLENNS FERRY, ID

LOCATION.--Lat 42°57'42", long 115°17'18", in SE¼SW¼NE¼ sec. 29, T. 5 S., R. 10 E., Elmore County, Hydrologic Unit 17050101, at County road crossing about 0.8 mi northeast of Glenns Ferry city center, and just northeast of the Glenns Ferry interchange.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 99.0 ft³/s June 24, 1986; no flow for long periods.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	.00	.00	.00	.00	.00	.00	70	93	88	77	78
2	29	.00	.00	.00	.00	.00	.00	74	86	87	77	74
3	29	.00	.00	.00	.00	.00	.00	59	84	87	77	76
4	29	.00	.00	.00	.00	.00	.00	61	86	92	77	72
5	28	.00	.00	.00	.00	.00	.00	72	88	95	75	73
6	27	.00	.00	.00	.00	.00	.00	72	88	83	78	66
7	31	.00	.00	.00	.00	.00	25	72	86	77	79	76
8	37	.00	.00	.00	.00	.00	45	75	75	77	79	85
9	25	.00	.00	.00	.00	.00	15	69	70	85	79	63
10	4.5	.00	.00	.00	.00	.00	38	63	71	87	80	54
11	.00	.00	.00	.00	.00	.00	38	61	82	81	83	47
12	.00	.00	.00	.00	.00	.00	24	58	86	75	83	47
13	.00	.00	.00	.00	.00	.00	30	58	89	76	80	53
14	.00	.00	.00	.00	.00	.00	28	60	88	79	80	47
15	.00	.00	.00	.00	.00	.00	29	59	88	79	77	35
16	.00	.00	.00	.00	.00	.00	29	56	86	88	79	27
17	.00	.00	.00	.00	.00	.00	37	60	85	80	78	28
18	.00	.00	.00	.00	.00	.00	41	60	82	76	74	29
19	.00	.00	.00	.00	.00	.00	41	60	83	70	78	29
20	.00	.00	.00	.00	.00	.00	46	61	86	66	81	29
21	.00	.00	.00	.00	.00	.00	69	73	87	66	70	32
22	.00	.00	.00	.00	.00	.00	69	73	86	66	67	33
23	.00	.00	.00	.00	.00	.00	74	64	86	67	70	32
24	.00	.00	.00	.00	.00	.00	73	67	99	79	73	27
25	.00	.00	.00	.00	.00	.00	73	70	96	84	58	25
26	.00	.00	.00	.00	.00	.00	66	70	94	77	72	26
27	.00	.00	.00	.00	.00	.00	60	71	94	68	70	32
28	.00	.00	.00	.00	.00	.00	59	73	90	63	68	27
29	.00	.00	.00	.00	---	.00	59	88	89	81	67	25
30	.00	.00	.00	.00	---	.00	65	71	90	84	60	10
31	.00	---	.00	.00	---	.00	---	82	---	78	71	---
TOTAL	266.50	.00	.00	.00	.00	.00	1133.00	2082	2593	2441	2317	1357
MEAN	8.60	.00	.00	.00	.00	.00	37.8	67.2	86.4	78.7	74.7	45.2
MAX	37	.00	.00	.00	.00	.00	74	88	99	95	83	85
MIN	.00	.00	.00	.00	.00	.00	.00	56	70	63	58	10
AC-FT	529	.00	.00	.00	.00	.00	2250	4130	5140	4840	4600	2690

WTR YR 1986 TOTAL 12189.50 MEAN 33.4 MAX 99 MIN .00 AC-FT 24180

13155620 LITTLE CANYON CREEK AT GLENNS FERRY, ID

LOCATION.--Lat 42°57'01", long 115°18'14", in SE¼NE¼NE¼ sec.31, T.5 S., R.10 E., Elmore County, Hydrologic Unit 17050101, about 2.2 mi upstream from mouth, at Glenns Ferry.

DRAINAGE AREA.--52.4 mi^2, approximately.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,530 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to July 14, 1986, at site 60 ft downstream, same datum.

REMARKS.--Estimated daily discharges: Nov. 12-29, Dec. 11 to Jan. 16, July 5-13. Records fair. Flow is regulated by upstream reservoirs and part of the flow is diverted to Alkali Creek Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850 ft^3/s Feb. 23, 1986, gage height, 10.30 ft, on basis of slope-area measurement of peak flow; minimum daily, 1.8 ft^3/s Aug. 22, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 850 ft^3/s Feb. 23, gage height, 10.30 ft, on basis of slope-area measurement of peak flow; minimum daily, 2.0 ft^3/s Oct. 11 and Dec. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.1	2.7	3.3	31	139	89	27	15	4.9	4.2	5.0
2	4.7	3.0	4.6	3.8	79	122	83	26	16	4.9	3.7	5.0
3	5.9	2.8	4.9	3.5	67	119	67	31	16	10	3.4	5.0
4	6.3	2.7	3.8	3.3	39	108	29	49	14	27	3.7	5.5
5	6.4	2.6	3.7	3.2	30	101	32	51	14	11	4.1	4.8
6	6.8	2.8	2.9	2.8	24	98	45	41	15	4.8	4.0	4.3
7	6.7	3.0	4.1	2.8	21	102	59	36	15	5.2	3.8	4.2
8	10	3.4	5.0	2.7	16	234	65	32	19	4.7	3.2	6.7
9	10	3.0	3.7	2.9	14	155	66	27	16	5.0	3.0	6.8
10	3.9	2.8	3.1	3.4	14	144	65	30	13	5.3	2.8	6.3
11	2.0	3.1	2.0	3.7	12	159	64	31	11	4.8	3.0	5.3
12	2.9	2.9	2.1	4.3	11	119	54	28	8.9	5.2	3.5	5.3
13	4.2	3.0	2.1	5.0	27	97	47	22	7.7	4.9	3.2	5.5
14	4.7	2.6	2.2	5.7	81	81	37	20	6.7	5.1	3.2	5.8
15	3.5	2.4	2.1	7.8	135	70	32	20	6.8	4.4	3.1	5.3
16	3.0	2.4	2.2	18	52	66	24	19	6.3	5.3	3.3	5.6
17	3.0	2.7	2.2	30	137	61	23	17	5.2	5.2	2.9	5.9
18	3.2	2.5	2.3	8.9	373	55	24	16	5.2	5.6	3.3	6.1
19	3.5	2.4	2.3	4.9	431	50	20	16	4.9	5.5	3.0	6.6
20	3.1	2.5	2.3	6.7	234	48	19	17	4.8	5.6	3.6	6.9
21	3.2	2.4	2.2	3.9	128	48	20	20	5.6	5.8	4.8	8.3
22	4.6	2.4	2.3	2.4	225	47	21	21	5.4	5.9	4.5	8.4
23	5.3	2.3	2.2	3.1	675	47	13	21	5.0	5.5	4.1	7.6
24	14	2.3	2.3	4.0	479	49	57	18	5.1	3.3	4.5	7.6
25	4.1	2.4	2.4	3.2	308	47	56	18	4.9	3.5	3.8	6.9
26	3.3	2.2	2.3	2.9	248	47	46	17	5.1	3.7	4.5	7.0
27	3.1	2.4	2.2	3.1	210	50	35	17	5.6	3.9	4.4	8.6
28	3.1	2.7	2.4	3.3	176	57	32	15	6.3	3.6	4.2	7.8
29	3.1	3.1	2.3	3.9	---	67	29	15	6.1	3.7	4.9	7.2
30	3.0	2.5	2.4	13	---	82	27	15	5.9	4.8	4.3	6.3
31	3.0	---	2.8	16	---	92	---	13	---	3.9	4.8	---
TOTAL	146.8	80.4	86.1	185.5	4277	2761	1280	746	275.5	182.0	116.8	187.6
MEAN	4.74	2.68	2.78	5.98	153	89.1	42.7	24.1	9.18	5.87	3.77	6.25
MAX	14	3.4	5.0	30	675	234	89	51	19	27	4.9	8.6
MIN	2.0	2.2	2.0	2.4	11	47	13	13	4.8	3.3	2.8	4.2
AC-FT	291	159	171	368	8480	5480	2540	1480	546	361	232	372

WTR YR 1986 TOTAL 10324.7 MEAN 28.3 MAX 675 MIN 2.0 AC-FT 20480

13155700 ALKALI CREEK NEAR GLENNS FERRY, ID

LOCATION.--Lat 42°57'27", long 115°21'54", in SW¼NE¼SE¼ sec.27, T.5 S., R.6 E., Elmore County, Hydrologic Unit 17050101, about 0.5 mi upstream from mouth, and 3.4 mi west of Glenns Ferry.

DRAINAGE AREA.--37.1 mi^2.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 9-19. Records fair. Flow is regulated by many diversions upstream for stock water and irrigation. At times during irrigation season, water is diverted into Alkali Creek from other basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 470 ft^3/s Feb. 18, 1986, gage height, 8.50 ft, on basis of slope-area measurement of peak flow; minimum daily, 0.29 ft^3/s Aug. 3, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 470 ft^3/s Feb. 18, gage height, 8.50 ft, on basis of slope-area measurement of peak flow; minimum daily, 0.33 ft^3/s July 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.55	.50	.43	10	15	2.4	.35	1.3	.37	.72	.46
2	.63	.55	.54	.42	6.6	13	3.3	.35	.83	.33	.92	.47
3	.63	.56	.55	.41	6.6	11	2.4	4.4	.89	.65	1.0	.48
4	.62	.56	.54	.40	7.9	9.5	2.4	1.3	.94	1.7	.89	.51
5	.63	.54	.52	.40	5.4	5.9	2.1	.36	1.2	2.0	.97	.54
6	.63	.53	.50	.41	5.4	4.2	1.8	.38	1.6	1.1	.38	.53
7	.66	.55	.98	.40	6.1	4.2	7.1	.37	1.1	.54	.48	.54
8	.66	.55	1.1	.40	3.9	27	16	.36	1.0	.77	.69	18
9	.66	.55	.80	.39	4.0	19	.89	.35	.93	1.2	.39	.96
10	.65	.53	.58	.37	3.3	13	.84	.42	.78	.95	.36	.72
11	.65	.53	.45	.38	3.1	27	.83	.39	.68	1.4	.37	.72
12	.65	.53	.46	.55	1.8	21	.73	.38	.53	1.8	.36	.70
13	.65	.55	.47	.47	52	16	.63	.38	.50	1.9	.36	.69
14	.65	.58	.47	.42	117	10	.58	.38	.47	2.0	.39	.71
15	.64	.58	.46	.55	99	8.0	.55	.39	.45	1.4	.37	.73
16	.63	.58	.48	17	34	8.5	.52	.38	.43	1.7	.37	.70
17	.65	.59	.49	84	61	7.0	.49	.39	.42	1.9	.37	.73
18	.60	.57	.50	61	361	5.7	.48	.39	.40	1.3	.37	.73
19	.60	.55	.51	101	277	5.4	.43	.39	.45	.37	.36	.75
20	.58	.57	.51	59	198	5.2	.42	.38	.74	.53	.43	.74
21	.58	.55	.47	20	78	5.0	.42	.44	.69	1.2	.41	.75
22	.62	.55	.46	11	110	4.7	.41	.37	.84	1.3	.40	.69
23	.63	.55	.46	14	299	4.6	.38	.38	.77	.78	.44	.66
24	.61	.55	.46	18	90	4.5	.35	.38	.71	1.1	.44	.77
25	.58	.55	.46	6.6	42	4.3	.36	.39	.91	1.8	.42	.78
26	.58	.53	.44	4.5	31	3.9	.37	.39	.57	1.7	.46	.75
27	.58	.53	.43	4.5	24	3.5	.36	.39	.58	1.6	.44	.99
28	.57	.55	.42	5.8	19	3.2	.37	.52	.61	1.6	.41	.82
29	.56	.53	.41	6.6	---	2.9	.36	1.1	.54	1.7	.44	.77
30	.57	.49	.40	16	---	2.8	.35	1.2	.46	1.7	.44	.82
31	.56	---	.41	28	---	2.3	---	1.2	---	1.2	.44	---
TOTAL	19.15	16.48	16.23	463.40	1956.1	277.3	48.62	19.25	22.32	39.50	15.11	38.21
MEAN	.62	.55	.52	14.9	69.9	8.95	1.62	.62	.74	1.27	.49	1.27
MAX	.66	.59	1.1	101	361	27	16	4.4	1.6	2.0	1.0	18
MIN	.56	.49	.40	.37	1.8	2.3	.35	.35	.40	.33	.36	.46
AC-FT	38	33	32	919	3880	550	96	38	44	78	30	76

WTR YR 1986 TOTAL 2931.76 MEAN 8.03 MAX 361 MIN .33 AC-FT 5820

13155800 GRINDSTONE BUTTE CANAL NEAR GLENNS FERRY, ID

LOCATION.--Lat 42°32'55", long 115°22'56", in SE¼SE¼SE¼ sec.21, T.6 S., R.9 E., Elmore County, Hydrologic Unit 17050101, near left bank 8 mi southeast of Hammett, and 6.5 mi southwest of Glenns Ferry.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 202 ft^3/s June 19, 1985; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	.00	.00	.00	.00	.00	.00	101	142	177	60	37
2	22	.00	.00	.00	.00	.00	.00	92	162	186	61	37
3	26	.00	.00	.00	.00	.00	.00	81	168	186	61	29
4	26	.00	.00	.00	.00	.00	.00	62	171	103	66	28
5	40	.00	.00	.00	.00	.00	.00	84	163	136	79	22
6	22	.00	.00	.00	.00	.00	.00	87	124	162	86	25
7	32	.00	.00	.00	.00	.00	.00	88	86	152	85	18
8	44	.00	.00	.00	.00	.00	.00	89	87	164	72	17
9	38	.00	.00	.00	.00	.00	.00	90	88	159	69	2.8
10	40	.00	.00	.00	.00	.00	.00	74	103	139	67	7.6
11	30	.00	.00	.00	.00	.00	.00	53	145	120	62	24
12	18	.00	.00	.00	.00	.00	.00	62	117	111	76	20
13	11	.00	.00	.00	.00	.00	.00	69	155	126	92	22
14	37	.00	.00	.00	.00	.00	8.8	78	160	141	85	22
15	39	.00	.00	.00	.00	.00	74	82	154	135	89	22
16	34	.00	.00	.00	.00	.00	80	85	156	115	76	26
17	26	.00	.00	.00	.00	.00	79	87	147	114	63	37
18	41	.00	.00	.00	.00	.00	67	75	159	105	60	26
19	33	.00	.00	.00	.00	.00	66	72	152	100	71	33
20	18	.00	.00	.00	.00	.00	71	92	143	101	82	21
21	23	.00	.00	.00	.00	.00	58	108	133	119	72	5.8
22	23	.00	.00	.00	.00	.00	92	96	128	95	69	12
23	16	.00	.00	.00	.00	.00	88	92	142	75	49	20
24	13	.00	.00	.00	.00	.00	92	86	160	75	45	22
25	14	.00	.00	.00	.00	.00	85	53	162	77	49	22
26	14	.00	.00	.00	.00	.00	80	92	163	69	50	30
27	3.3	.00	.00	.00	.00	.00	92	116	155	82	52	17
28	.00	.00	.00	.00	.00	.00	79	122	160	68	43	17
29	.00	.00	.00	.00	---	.00	96	146	176	76	32	30
30	2.9	.00	.00	.00	---	.00	92	150	179	90	35	46
31	4.6	---	.00	.00	---	.00	---	148	---	77	22	---
TOTAL	725.80	.00	.00	.00	.00	.00	1299.80	2814	4340	3635	1960	698.2
MEAN	23.4	.00	.00	.00	.00	.00	43.3	90.8	145	117	63.2	23.3
MAX	44	.00	.00	.00	.00	.00	96	150	179	186	92	46
MIN	.00	.00	.00	.00	.00	.00	.00	53	86	68	22	2.8
AC-FT	1440	.00	.00	.00	.00	.00	2580	5580	8610	7210	3890	1380

WTR YR 1986 TOTAL 15472.80 MEAN 42.4 MAX 186 MIN .00 AC-FT 30690

13156000 COLD SPRINGS CREEK NEAR HAMMETT, ID

LOCATION.--Lat 42°56'45", long 115°25'52", in the center of sec. 31, Elmore County, Hydrologic Unit 17050101, on downstream left bank side of old U.S. Highway 30 crossing, and 1.8 mi east of Hammett.

DRAINAGE AREA.--65 mi^2, approximately.

PERIOD OF RECORD.--April 1985 to current year, 1980 (miscellaneous measurements only), December 1909 to May 1913, not comparable.

GAGE.--Water-stage recorder. Elevation of gage is 2,490 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to April 1985, nonrecording gage at different datum.

REMARKS.--Estimated daily discharges: Dec. 10 to Jan. 14, Mar. 1-6, 10-18, June 12 to July 26. Records fair. Diversions above station for irrigation. Interbasin transfer of water from King Hill Canal at times.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,400 ft^3/s Feb. 18, 1986, gage height, 8.75 ft, result of slope-area measurement; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,400 ft^3/s Feb. 18, gage height, 8.75 ft, result of slope-area measurement; minimum daily, 1.0 ft^3/s Jan. 9-13.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 9, Jan. 15 to Feb. 13)

3.45	1.0	3.8	12	4.6	78
3.5	1.6	3.9	19	5.0	130
3.6	3.4	4.0	27	6.0	323
3.7	6.5	4.2	41	7.0	618
				8.0	1020

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.3	1.8	1.4	36	170	98	29	13	2.8	1.7	2.8
2	1.9	1.4	2.2	1.5	40	140	84	27	12	1.9	1.1	3.2
3	1.7	1.3	5.2	1.7	46	120	65	30	12	1.9	2.7	3.1
4	1.6	1.3	4.8	1.6	43	110	56	43	12	2.7	2.7	2.5
5	1.7	1.2	5.1	1.4	44	105	51	42	14	2.7	1.2	2.2
6	1.8	1.2	5.5	1.3	39	130	51	38	24	3.7	1.4	2.0
7	1.8	1.2	7.3	1.3	36	199	57	34	20	2.6	1.8	3.1
8	1.6	1.2	5.0	1.3	31	278	44	30	33	2.6	1.9	3.7
9	1.6	1.2	5.0	1.0	31	206	65	27	21	2.4	2.4	2.6
10	1.6	1.2	2.1	1.0	28	150	65	33	17	2.6	2.8	2.9
11	1.4	1.2	1.2	1.0	25	210	70	29	16	3.2	2.2	2.4
12	1.4	1.2	1.3	1.0	19	140	84	25	14	3.0	2.0	1.8
13	1.4	1.3	1.3	1.0	214	110	71	22	17	3.0	1.4	1.5
14	1.6	1.4	1.3	1.1	143	86	80	20	19	3.5	1.4	1.6
15	1.4	1.4	1.3	8.2	114	72	53	21	12	2.3	1.9	2.5
16	1.4	1.5	1.4	70	91	63	47	18	7.0	1.3	2.0	2.0
17	1.5	1.6	1.4	200	174	60	41	18	3.6	1.2	2.8	2.0
18	1.4	1.6	1.4	122	699	54	39	18	1.8	1.2	2.0	2.2
19	1.2	1.6	1.5	77	862	48	37	20	2.4	1.2	1.8	2.5
20	1.2	1.7	1.6	50	857	43	37	24	2.9	1.2	1.8	2.5
21	1.2	1.7	1.5	25	336	44	49	31	3.5	1.2	3.7	2.2
22	1.3	1.7	1.5	16	360	44	75	30	2.2	1.2	2.0	2.2
23	1.5	1.7	1.5	19	874	46	80	28	1.8	1.4	3.3	2.4
24	1.4	1.7	1.5	20	735	50	70	25	1.8	1.8	1.7	2.3
25	1.5	1.7	1.6	9.9	358	49	63	18	2.3	2.1	1.3	4.0
26	1.4	1.7	1.5	7.8	326	45	52	17	2.7	2.0	3.1	5.8
27	1.3	1.8	1.5	7.6	274	44	45	18	3.2	2.0	3.8	3.9
28	1.3	1.8	1.4	8.7	219	53	41	15	2.7	2.3	3.5	3.5
29	1.3	1.8	1.4	12	---	68	33	15	3.1	1.8	3.1	3.0
30	1.3	1.8	1.4	16	---	91	29	14	3.7	2.1	2.3	2.6
31	1.3	---	1.4	28	---	103	---	13	---	2.0	2.2	---
TOTAL	45.8	44.4	73.9	714.8	6854	3129	1732	770	300.7	66.4	69.0	81.0
MEAN	1.48	1.48	2.38	23.1	245	101	57.7	24.8	10.0	2.14	2.23	2.70
MAX	1.9	1.8	7.3	200	874	278	98	43	33	3.7	3.8	5.8
MIN	1.2	1.2	1.2	1.0	19	43	29	13	1.8	1.2	1.1	1.5
AC-FT	91	88	147	1420	13590	6210	3440	1530	596	132	137	161

WTR YR 1986 TOTAL 13881.0 MEAN 38.0 MAX 874 MIN 1.0 AC-FT 27530

13157000 BENNETT CREEK NEAR HAMMETT, ID

LOCATION.--Lat 42°56'48", long 115°29'32", in SE¼SE¼NW¼ sec.34, T. 5 S., R. 8 E., Elmore County, Hydrologic Unit 17050101, on downstream left bank side of U.S. Highway 30 crossing, and 1.6 mi west of Hammett.

DRAINAGE AREA.--68.6 mi^2.

PERIOD OF RECORD.--April 1985 to current year. Records for December 1909 to May 1913 not comparable.

GAGE.--Water-stage recorder. Elevation of gage is 2,490 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-7, 10-28, Feb. 12-19, Mar. 11-18, Mar. 23 to Apr. 18. Records fair. Water diverted into basin from King Hill Canal during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 550 ft^3/s Feb. 16, 1913, gage height, 5.90 ft (site and datum then in use); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 311 ft^3/s Feb. 23, gage height, 10.23 ft; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	.00	.00	.00	.00	127	27	11	3.5	1.4	1.1	7.4
2	3.6	.00	.00	.00	.00	113	24	8.4	4.4	1.3	1.2	4.3
3	3.7	.00	.00	.00	.00	105	18	5.0	1.9	.98	1.5	2.9
4	3.3	.00	.00	.00	.00	87	16	19	.59	4.5	1.3	.40
5	3.2	.00	.00	.00	.00	102	15	22	7.7	22	2.2	.77
6	3.3	.00	.00	.00	.00	102	15	11	7.3	12	1.4	1.4
7	3.6	.00	.00	.00	.00	102	16	11	9.8	3.8	1.5	16
8	3.6	.00	.00	.00	.00	113	18	13	15	1.3	1.7	16
9	3.1	.00	.00	.00	.00	112	18	8.5	4.5	3.3	1.0	8.8
10	3.1	.00	.00	.00	.00	107	19	9.6	1.6	1.3	1.1	2.3
11	3.1	.00	.00	.00	.00	80	20	12	2.4	1.9	1.1	7.6
12	2.8	.00	.00	.00	.04	87	24	9.5	2.4	3.0	4.1	6.8
13	2.8	.00	.00	.00	1.5	82	21	9.3	4.6	4.9	6.0	2.1
14	3.0	.00	.00	.00	12	77	17	8.5	4.6	2.0	5.2	1.6
15	2.5	.00	.00	.00	10	70	15	7.0	5.1	.65	4.1	1.9
16	2.3	.00	.00	.00	8.0	66	13	4.0	8.8	2.0	3.1	1.1
17	2.0	.00	.00	.00	7.0	62	11	2.9	6.6	2.2	3.0	.60
18	1.8	.00	.00	.00	45	56	11	5.3	4.7	2.0	3.0	.26
19	1.7	.00	.00	.00	70	54	10	7.4	7.3	3.4	2.6	.30
20	1.6	.00	.00	.00	284	50	5.2	3.8	6.2	3.4	2.4	.35
21	1.7	.00	.00	.00	226	48	8.7	6.5	6.9	1.9	2.1	.48
22	1.8	.00	.00	.00	197	38	7.7	12	4.9	1.2	1.3	.43
23	1.6	.00	.00	.00	278	28	9.6	8.8	1.0	.73	1.2	.69
24	1.4	.00	.00	.00	272	18	8.7	.85	3.0	.71	1.9	.92
25	1.3	.00	.00	.00	280	14	9.3	2.5	6.3	1.2	1.4	.89
26	1.1	.00	.00	.00	223	13	14	3.9	5.8	1.8	.99	.52
27	.50	.00	.00	.00	181	13	9.7	4.3	7.1	4.1	1.5	.70
28	.25	.00	.00	.00	151	14	6.4	3.5	5.1	1.4	.88	.82
29	.00	.00	.00	.00	---	19	5.7	8.5	6.8	1.7	2.0	.87
30	.00	.00	.00	.00	---	26	6.5	4.3	7.0	2.5	.88	3.5
31	.00	---	.00	.00	---	28	---	2.2	---	1.2	2.0	---
TOTAL	67.25	.00	.00	.00	2245.54	2013	419.5	245.55	162.89	95.77	64.75	92.70
MEAN	2.17	.00	.00	.00	80.2	64.9	14.0	7.92	5.43	3.09	2.09	3.09
MAX	3.7	.00	.00	.00	284	127	27	22	15	22	6.0	16
MIN	.00	.00	.00	.00	.00	13	5.2	.85	.59	.65	.88	.26
AC-FT	133	.00	.00	.00	4450	3990	832	487	323	190	128	184

WTR YR 1986 TOTAL 5406.95 MEAN 14.8 MAX 284 MIN .00 AC-FT 10720

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13157120 UPPER INDIAN COVE CANAL NEAR HAMMETT, ID

LOCATION.--Lat 42°56'00", long 115°33'19", in NE¼SW¼NW¼ sec.6, T.6 S., R.8 E., Owyhee County, Hydrologic Unit 17050101, on right bank wingwall at outlet 5 mi west of Hammett.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,515 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: June 8-12 and July 5-13. Records fair. Canal carries water which is pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18 ft^3/s for many days during May, June, and July; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.00	15	16	17	12	14
2							.00	18	16	17	12	14
3							.00	18	16	18	12	.00
4							.00	18	16	18	12	.00
5							.00	18	9.0	12	13	.00
6							.00	18	10	18	13	.00
7							.00	18	15	18	11	.00
8							.00	18	.20	18	10	.00
9							.00	18	.00	17	13	.00
10							.00	18	.00	17	13	.00
11							.00	18	13	17	12	.00
12							.00	18	18	17	11	.00
13							.00	18	18	12	12	.00
14							.00	18	17	14	12	.00
15							.00	18	17	17	12	.00
16							.00	18	18	15	12	.00
17							.00	18	18	15	9.0	.00
18							.00	18	18	15	13	.00
19							.00	17	18	15	13	6.2
20							.00	17	18	15	13	9.9
21							.00	18	18	15	13	9.6
22							.00	17	18	15	14	9.8
23							13	17	15	13	14	9.6
24							18	16	18	12	15	3.5
25							17	16	17	12	15	.00
26							16	16	18	12	15	.00
27							16	16	17	12	16	.00
28							16	16	17	12	17	.00
29							16	17	18	11	17	.00
30							17	16	17	12	17	.00
31							---	16	---	12	16	---
TOTAL							129.00	536	444.20	460	409.0	76.40
MEAN							4.30	17.3	14.8	14.8	13.2	2.55
MAX							18	18	18	18	17	14
MIN							.00	15	.00	11	9.0	.00
AC-FT							256	1060	881	912	811	152

13157125 LOWER INDIAN COVE CANAL NEAR HAMMETT, ID

LOCATION.--Lat 42°56'02", long 115°33'22", in NW¼SW¼NW¼ sec.6, T.6 S., R.8 E., Owyhee County, Hydrologic Unit 17050101, on downstream right wingwall of outlet 5 mi west of Hammett.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,500 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Canal carries water which is pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18.0 ft^3/s July 19-21; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.00	17	16	16	17	7.4
2							.00	16	16	16	17	8.3
3							.00	16	16	16	17	2.8
4							.00	15	16	17	17	.00
5							.00	15	8.6	11	17	.00
6							.00	15	9.6	17	17	.00
7							.00	15	14	6.1	13	.00
8							.00	15	.20	12	12	.00
9							.00	15	.00	16	17	.00
10							.00	15	.00	16	17	.00
11							.00	15	12	16	17	.00
12							.00	16	17	16	16	.00
13							.00	16	17	7.7	16	.00
14							.00	16	17	14	16	.00
15							.00	16	16	17	16	.00
16							.00	16	16	17	16	.00
17							.00	15	15	17	12	.00
18							.00	14	15	17	16	.00
19							.00	14	14	18	16	7.0
20							.00	14	14	18	17	12
21							12	14	14	18	17	12
22							16	14	14	17	17	12
23							15	15	14	17	17	12
24							16	15	14	17	17	4.5
25							17	15	14	16	17	.19
26							17	15	14	16	17	.00
27							17	15	15	16	17	.00
28							17	15	15	16	15	.00
29							17	15	15	16	13	.00
30							16	16	15	16	13	.00
31							---	16	---	16	8.2	---
TOTAL							160.00	471	393.40	481.8	487.2	78.19
MEAN							5.33	15.2	13.1	15.5	15.7	2.61
MAX							17	17	17	18	17	12
MIN							.00	14	.00	6.1	8.2	.00
AC-FT							317	934	780	956	966	155

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13157296 ROCKING R RANCH CANAL NEAR HAMMETT, ID

LOCATION.--Lat 42°58'03", long 115°37'57", in SE¼SW¼SW¼ sec.21, T.5 S., R.7 E., Elmore County, Hydrologic Unit 17050101, on downstream side of bridge at county road crossing 9 mi west of Hammett.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Canal carries water pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 43 ft^3/s July 10, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	21	34	37	37	29
2							---	22	34	37	38	29
3							---	24	31	34	40	31
4							---	29	36	38	39	34
5							---	26	37	36	39	35
6							---	26	37	34	39	36
7							---	27	34	30	39	35
8							---	25	26	41	34	26
9							---	19	26	41	32	23
10							9.1	14	28	43	31	24
11							13	11	34	40	26	28
12							8.3	17	34	39	29	30
13							.00	17	34	39	33	20
14							.00	16	35	40	34	14
15							6.1	20	35	41	32	18
16							9.1	26	36	41	29	22
17							12	29	39	40	29	22
18							16	28	39	40	30	17
19							18	21	35	40	37	13
20							24	21	39	40	34	16
21							18	22	41	40	33	20
22							15	29	41	39	33	16
23							15	28	40	39	32	13
24							16	24	39	39	33	5.2
25							25	26	39	39	34	7.1
26							20	29	39	42	30	12
27							15	29	39	41	31	4.5
28							16	29	38	41	31	.00
29							21	29	37	40	30	4.3
30							21	29	37	39	30	.00
31							---	33	---	30	29	---
TOTAL							---	746	1073	1200	1027	584.10
MEAN							---	24.1	35.8	38.7	33.1	19.5
MAX							---	33	41	43	40	36
MIN							---	11	26	30	26	.00
AC-FT							---	1480	2130	2380	2040	1160

13157300 SOUTH ELMORE CANAL NEAR HAMMETT, ID

LOCATION.--Lat 42°57'36", long 115°37'48", in NW¼NE¼SW¼ sec.28, T.5 S., R.7 E., Elmore County, Hydrologic Unit 17050101, and 11 mi south of Mountain Home.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,290 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharge. Records good. Canal carries water which is pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 120 ft^3/s June 22, 1985; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16						.00	49	60	90	93	57
2	18						.00	51	60	91	91	57
3	26						.00	51	60	83	62	54
4	9.7						.00	37	67	84	56	58
5	10						.00	29	67	83	83	57
6	10						.00	47	53	90	86	42
7	9.8						.00	34	53	64	77	34
8	9.6						.00	32	53	67	74	22
9	9.4						.00	23	63	91	72	27
10	9.3						.00	11	66	91	56	26
11	9.3						.00	2.3	69	89	65	26
12	4.3						.00	11	71	83	71	26
13	.00						---	35	80	81	69	27
14	.00						.00	32	76	76	70	20
15	.00						.00	32	75	88	75	26
16	.00						.00	32	66	91	55	38
17	.00						.00	45	73	89	41	37
18	.00						.00	47	66	88	50	28
19	.00						.00	36	69	80	59	32
20	.00						.00	38	83	66	54	32
21	.00						.00	30	83	94	50	25
22	.00						11	38	83	95	55	19
23	.00						22	42	83	95	58	17
24	.00						10	48	85	95	58	17
25	.00						10	52	92	95	60	16
26	.00						10	44	90	94	61	14
27	.00						20	52	87	74	70	.98
28	.00						26	67	80	67	71	.94
29	.00						25	71	68	76	59	.91
30	.00						39	67	74	82	45	.91
31	.00						---	63	---	84	44	---
TOTAL	141.40						---	1248.3	2155	2616	1990	837.74
MEAN	4.56						---	40.3	71.8	84.4	64.2	27.9
MAX	26						---	71	92	95	93	58
MIN	.00						---	2.3	53	64	41	.91
AC-FT	280						---	2480	4270	5190	3950	1660

13159800 CANYON CREEK AT OREGON TRAIL CROSSING, NEAR MOUNTAIN HOME, ID

LOCATION.--Lat 43°15'39", long 115°42'06", in SE¼NW¼SE¼ sec.11, T.2 S., R.6 E., Hydrologic Unit 17050101, on right bank 31 mi upstream from mouth, 3 mi downstream from confluence of Syrup Creek and Long Tom Creek, and 8.5 mi north of Mountain Home.

DRAINAGE AREA.--70.5 mi^2.

PERIOD OF RECORD.--March 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,540 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-8, Nov. 18 to Jan. 19. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,420 ft^3/s Feb. 23, 1986, gage height, 5.09 ft; minimum daily, 2.4 ft^3/s Oct. 9, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft^3/s Feb. 23, gage height, 5.09 ft; minimum daily, 2.4 ft^3/s Oct. 9.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 18-23)

Oct. 1 to Feb. 19				Feb. 20 to Sept. 30			
0.9	2.2	1.5	32	1.4	17	2.5	129
1.0	3.6	2.0	93	1.6	28	3.0	252
1.1	5.4	2.5	173	1.8	41	3.5	423
1.2	8.5	3.0	318	2.0	58	4.0	646
1.3	15	3.5	510	2.2	77	5.0	1260

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	5.4	10	6.2	77	308	106	74	67	82	59	44
2	2.9	5.7	14	6.6	76	276	100	79	67	81	60	45
3	2.8	5.9	15	6.4	78	251	91	90	68	79	59	47
4	2.9	6.1	12	6.0	71	233	87	90	67	77	58	45
5	2.9	6.7	11	5.5	69	239	83	86	67	69	58	44
6	2.8	6.4	9.0	4.8	59	237	80	85	67	61	57	42
7	2.6	7.8	12	4.5	59	237	76	83	66	58	56	40
8	2.5	7.5	15	4.4	54	239	74	81	67	63	53	40
9	2.4	7.5	11	4.5	50	232	71	81	66	61	54	40
10	2.6	7.7	10	4.8	47	232	69	80	64	60	52	40
11	2.7	7.0	9.0	5.4	44	240	67	77	65	60	52	40
12	2.6	7.1	9.0	6.2	44	233	72	61	65	59	35	37
13	2.7	8.2	9.2	7.3	53	233	63	58	64	58	53	29
14	3.0	8.6	9.5	8.5	62	230	52	58	68	55	56	30
15	2.7	9.0	9.0	16	91	225	52	57	71	52	35	32
16	2.7	8.2	9.4	29	141	218	53	58	70	52	19	31
17	2.7	8.4	9.7	51	241	205	53	58	70	52	45	30
18	2.9	9.3	10	53	467	183	53	55	75	52	57	24
19	2.7	9.0	11	69	473	171	53	55	79	52	60	24
20	2.7	9.0	10	75	439	152	52	66	78	51	58	24
21	2.8	9.0	10	65	350	128	51	69	77	51	56	24
22	3.4	9.0	11	57	302	124	52	69	77	50	51	24
23	4.3	8.5	10	51	767	120	63	69	82	47	48	24
24	4.6	8.4	8.6	45	997	119	63	61	82	53	47	24
25	4.8	8.8	8.0	41	864	119	63	60	86	55	46	25
26	4.8	8.2	7.6	37	575	119	63	61	88	54	32	26
27	4.9	9.0	7.2	34	404	121	69	63	91	54	19	27
28	4.7	10	6.6	33	352	122	67	68	88	53	41	27
29	5.3	11	6.2	37	---	118	71	68	86	44	43	28
30	5.3	9.4	5.8	48	---	114	75	67	84	38	47	23
31	5.5	---	6.0	67	---	107	---	67	---	50	45	---
TOTAL	105.1	241.8	301.8	889.1	7306	5885	2044	2154	2210	1783	1511	980
MEAN	3.39	8.06	9.74	28.7	261	190	68.1	69.5	73.7	57.5	48.7	32.7
MAX	5.5	11	15	75	997	308	106	90	91	82	60	47
MIN	2.4	5.4	5.8	4.4	44	107	51	55	64	38	19	23
AC-FT	208	480	599	1760	14490	11670	4050	4270	4380	3540	3000	1940

CAL YR 1985	TOTAL	11199.3	MEAN	30.7	MAX	95	MIN	2.4	AC-FT	22210
WTR YR 1986	TOTAL	25410.8	MEAN	69.6	MAX	997	MIN	2.4	AC-FT	50400

13168500 BRUNEAU RIVER NEAR HOT SPRING, ID

LOCATION.--Lat 42°46'16", long 115°43'10", in NE¼NE¼SE¼ sec.34, T.7 S., R.6 E., Owyhee County, Hydrologic Unit 17050102, on right bank 1 mi downstream from Hot Creek, 1.5 mi south of Hot Spring, 9 mi southeast of Bruneau, 16 mi downstream from East Fork, and at mile 22.0.

DRAINAGE AREA.--2,630 mi^2, approximately. Mean elevation, 5,600 ft.

PERIOD OF RECORD.--July 1909 to March 1915, October 1943 to current year.

REVISED RECORDS.--WSP 1063: 1913. WSP 1517: 1910(M). WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,598.5 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 12, 1910, nonrecording gage at site 0.2 mi upstream at different datum. Mar. 12, 1910, to Mar. 15, 1915, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Dec. 13, 15, 23-30, Jan. 16-20. Records good except for estimated daily discharges, which are fair. Several small reservoirs on tributaries above station. Diversions above station for irrigation of about 12,900 acres (1966 determination).

AVERAGE DISCHARGE.--46 years (1909-14, 1943-86), 411 ft^3/s, 297,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,860 ft^3/s May 15, 1984, gage height, 13.03 ft; minimum, 20 ft^3/s Nov. 29, 1979, gage height, 2.98 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,780 ft^3/s Feb. 18, gage height, 10.13 ft; minimum, 30 ft^3/s Dec. 14, gage height, 3.35 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 16 to May 20, May 24, 25, June 10-24;
stage-discharge relation affected by ice Jan. 16-20)

3.3	30	5.0	507
3.5	52	6.0	1020
4.0	137	8.0	2290
4.5	290	9.3	3250

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	122	153	129	311	1370	1270	915	1970	387	130	91
2	98	120	145	145	340	1380	1230	922	1950	363	123	86
3	99	118	197	144	309	1450	1170	993	1830	344	118	85
4	99	119	190	143	277	1420	1080	1190	1840	325	115	84
5	98	118	174	141	255	1350	1020	1330	1780	307	111	83
6	96	118	158	137	232	1330	980	1240	1690	293	108	82
7	98	121	158	152	194	1350	987	1150	1510	279	105	80
8	102	120	173	152	179	1540	1090	1080	1500	260	103	82
9	119	119	169	131	162	2350	1230	1010	1400	252	101	91
10	120	123	151	133	131	1760	1210	969	1200	248	98	93
11	118	119	113	142	169	1440	1140	999	1070	239	96	103
12	117	114	53	149	203	1270	1130	1000	1010	233	94	102
13	120	112	54	140	212	1130	1150	913	994	223	93	101
14	120	99	35	138	241	1000	1090	875	944	213	93	98
15	117	101	70	141	287	927	1020	880	928	201	92	96
16	114	110	105	200	667	841	974	873	916	192	91	98
17	113	156	117	280	705	809	952	864	855	184	89	103
18	111	151	119	340	2580	754	908	870	814	178	86	98
19	111	124	119	310	3180	682	857	961	770	173	82	100
20	110	100	117	300	2400	665	831	1130	718	164	81	103
21	110	108	117	344	1540	666	876	1320	657	156	84	105
22	111	121	112	273	1190	707	1040	1420	613	149	91	105
23	111	89	102	243	1350	763	1220	1290	578	144	92	107
24	116	79	100	268	1760	798	1290	1160	556	150	87	108
25	132	110	97	204	1720	848	1200	1120	537	171	87	111
26	145	129	96	161	1680	799	1180	1250	516	176	86	113
27	137	125	97	146	1600	794	1100	1530	496	185	84	125
28	129	128	98	177	1460	886	1030	1780	468	177	81	131
29	124	162	100	216	---	1040	1020	1880	433	161	81	130
30	124	166	107	209	---	1160	963	1980	408	146	83	133
31	122	---	114	234	---	1260	---	2010	---	139	90	---
TOTAL	3538	3601	3710	6022	25344	34537	32238	36904	30951	6812	2955	3027
MEAN	114	120	120	194	905	1114	1075	1190	1032	220	95.3	101
MAX	145	166	197	344	3180	2350	1290	2010	1970	387	130	133
MIN	96	79	35	129	131	665	831	864	408	139	81	80
AC-FT	7020	7140	7360	11940	50270	68500	63940	73200	61390	13510	5860	6000

CAL YR 1985	TOTAL	136443	MEAN	374	MAX	1860	MIN	35	AC-FT	270600
WTR YR 1986	TOTAL	189639	MEAN	520	MAX	3180	MIN	35	AC-FT	376100

13168600 HOT SPRINGS DITCH NEAR BRUNEAU, ID

LOCATION.--Lat 42°40'36", long 115°43'00", in SW¼NW¼NW¼ sec.35, T. 7 S., R. 6 E., Owyhee County, Hydrologic Unit 17050102, on left bank about 150 ft below heading on Bruneau River, 7.6 mi southeast of Bruneau, and 1.2 mi south of Hot Springs.

PERIOD OF RECORD.--April 1985 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 2,595 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 33 ft^3/s May 30, 31, June 1, 2; no flow for many days each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11						.00	17	33	27	25	20
2	11						.00	20	33	26	24	20
3	12						.00	24	31	25	24	19
4	12						.00	29	31	24	23	19
5	12						.00	26	30	23	23	19
6	12						.00	17	29	22	22	18
7	12						.00	16	25	21	22	18
8	13						.00	16	25	19	22	18
9	13						.00	16	24	25	22	19
10	13						.00	16	21	31	21	19
11	9.8						.00	17	19	31	21	20
12	6.7						.00	18	18	31	21	20
13	6.5						.00	17	18	31	21	20
14	6.3						.00	17	20	30	21	19
15	5.9						.00	17	24	29	21	19
16	5.6						.00	17	24	29	21	19
17	5.5						.00	17	22	28	20	20
18	5.3						.00	17	22	28	20	19
19	5.0						.00	18	20	29	20	19
20	4.0						4.6	21	18	28	19	20
21	.67						11	24	16	28	20	20
22	1.0						15	25	14	28	22	20
23	2.1						20	23	13	27	22	20
24	2.0						22	21	15	27	21	20
25	1.8						21	21	22	28	21	20
26	1.8						21	22	33	28	21	20
27	1.6						20	27	33	28	21	22
28	1.5						19	31	32	28	20	22
29	1.3						19	32	30	28	20	22
30	1.2						18	33	29	27	20	23
31	1.1						---	33	---	26	20	---
TOTAL	197.67						190.60	665	724	840	661	593
MEAN	6.38						6.35	21.5	24.1	27.1	21.3	19.8
MAX	13						22	33	33	31	25	23
MIN	.67						.00	16	13	19	19	18
AC-FT	392						378	1320	1440	1670	1310	1180

13169000 BUCKAROO DITCH NEAR BRUNEAU, ID

LOCATION.--Lat 42°47'30", long 115°43'00", in SW¼NW¼NW¼ sec.26, T. 7S., R. 6E., Owyhee County, Hydrologic Unit 17050102, on downstream left bank wingwall, 80 ft upstream from Hot Springs road crossing, and 7.5 mi southwest of Bruneau.

PERIOD OF RECORD.--May 1912 to May 1914. April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,590 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 25 to Jan. 15. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge 88 ft^3/s May 4, 1986; no flow many days each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO CEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	19	12	1.0	15	.00	.00	51	66	73	71	68
2	16	19	11	1.0	15	.00	.00	58	48	72	68	63
3	16	19	14	1.1	14	.00	.00	84	4.7	71	65	60
4	16	19	14	1.1	13	.00	.00	88	29	69	64	60
5	16	19	13	1.1	13	.00	.00	80	63	69	64	58
6	16	19	13	1.1	13	.00	.00	76	67	72	64	57
7	16	19	13	1.1	11	.00	.00	66	65	70	62	55
8	17	19	14	1.1	11	.00	.00	64	61	68	67	56
9	18	19	14	1.1	10	.00	.00	65	58	70	74	63
10	19	16	13	1.1	9.3	.00	.00	72	56	79	72	65
11	19	13	9.6	1.0	10	.00	.00	69	55	78	72	67
12	19	13	3.3	1.0	11	.00	.00	69	66	78	70	64
13	19	9.2	2.9	.90	11	.00	.00	66	71	77	69	63
14	19	.17	1.6	.90	12	.00	.00	64	70	76	68	60
15	19	.98	6.1	.80	11	.00	.00	65	71	75	68	57
16	19	5.5	9.6	11	9.0	.00	.00	65	79	74	67	57
17	19	13	15	12	5.6	.00	.00	64	78	73	65	58
18	19	14	20	13	3.5	.00	.00	65	77	76	62	57
19	18	12	6.7	17	2.2	.00	16	68	76	74	57	58
20	18	9.9	.65	17	.93	.00	27	72	74	73	56	58
21	19	10	.70	16	.29	.00	28	71	76	72	60	59
22	19	12	.69	13	.10	.00	31	66	73	70	68	59
23	18	8.6	.99	12	.07	.00	42	64	70	68	67	59
24	19	5.0	.88	13	.11	.00	54	73	68	71	63	57
25	20	8.4	.80	11	.05	.00	55	77	66	78	63	55
26	21	10	.72	10	.03	.00	52	81	65	79	62	56
27	20	9.9	.66	9.7	.04	.00	46	84	67	79	61	57
28	20	10	.64	11	.00	.00	46	67	77	79	58	52
29	19	12	.70	12	---	.00	53	68	76	77	58	45
30	19	12	.75	12	---	.00	55	66	74	75	59	42
31	19	---	1.0	12	---	.00	---	67	---	73	66	---
TOTAL	567	375.65	214.98	217.10	201.22	.00	505.00	2155	1946.7	2288	2010	1745
MEAN	18.3	12.5	6.93	7.00	7.19	.00	16.8	69.5	64.9	73.8	64.8	58.2
MAX	21	19	20	17	15	.00	55	88	79	79	74	68
MIN	16	.17	.64	.80	.00	.00	.00	51	4.7	68	56	42
AC-FT	1120	745	426	431	399	.00	1000	4270	3860	4540	3990	3460

13169500 BIG JACKS CREEK NEAR BRUNEAU, ID
(Hydrologic bench-mark station)

LOCATION.--Lat 42°47'06", long 115°59'00", in NW¼SE¼ sec.28, T.7 S., R.4 E., Owyhee County, Hydrologic Unit 17050102, U.S. Bureau of Land Management lands, on left bank 0.2 mi upstream from confluence with Little Jacks Creek, 11.5 mi southwest of Bruneau, and at mile 12.7.

DRAINAGE AREA.--253 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1938 to October 1949, July 1965 to current year. Prior to October 1968, published as "Wickahoney Creek near Bruneau."

REVISED RECORDS.--WDR Idaho 1967: Drainage area.

GAGE.--Water-stage recorder and a self-cleaning broad-crested concrete weir. Elevation of gage is 2,810 ft, by barometer. December 1938 to October 1949, at site 145 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 5-10, 20-23, 25, Nov. 27 to Dec. 5, Dec. 10 to Feb. 17. Records good except for estimated daily discharges, which are poor. No diversion or regulation.

AVERAGE DISCHARGE.--31 years (1940-49, 1966-86), 5.36 ft^3/s, 3,880 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft^3/s Jan. 22, 1943, gage height, 12.4 ft, from high-water mark (site and datum then in use), on basis of slope-area measurement of peak flow; no flow for long periods most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 438 ft^3/s Feb. 18, gage height, 3.87 ft; minimum daily, 0.73 ft^3/s Jan. 14.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 1-5, Dec. 10 to Feb. 17)

1.8	.56	2.4	20
1.9	1.4	2.6	40
2.0	3.0	2.8	68
2.1	5.4	3.1	135
2.2	9.0	3.4	238
		3.7	384

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	5.0	2.8	1.1	2.5	89	33	22	19	8.4	7.4	6.5
2	4.7	4.8	4.3	1.1	2.3	83	35	23	19	8.1	7.1	6.4
3	4.4	4.7	6.0	1.0	2.2	82	35	22	17	8.0	6.9	6.2
4	4.4	4.8	4.5	1.0	2.0	74	35	22	16	8.6	6.8	6.1
5	4.4	4.8	5.9	.94	1.8	71	34	23	15	9.0	6.5	5.9
6	4.5	4.8	5.4	.90	1.6	67	33	23	15	9.2	6.6	5.7
7	4.7	4.8	4.3	1.0	1.5	67	32	23	15	9.0	6.6	5.7
8	5.3	4.9	5.3	1.0	1.3	96	31	21	14	8.8	6.6	6.1
9	5.2	4.9	4.6	.90	1.2	183	34	19	14	9.3	6.6	7.3
10	5.3	4.9	4.0	.80	1.5	87	32	18	13	9.1	6.3	8.6
11	5.2	4.9	2.3	.80	1.9	81	30	20	12	9.0	6.2	7.5
12	5.1	4.9	2.0	.78	2.5	71	30	18	12	8.4	6.3	6.9
13	5.2	4.9	1.5	.75	4.0	67	33	17	12	8.1	6.7	6.8
14	5.1	5.0	.90	.73	5.4	66	32	16	11	7.7	6.5	6.7
15	5.0	5.1	1.1	2.1	7.0	64	31	16	11	7.7	6.3	6.6
16	4.8	4.4	1.3	6.0	20	63	29	16	11	8.2	6.0	6.6
17	4.8	3.7	1.4	4.5	80	72	28	16	11	9.0	6.1	7.0
18	4.8	3.4	1.6	3.5	331	65	27	17	10	8.5	5.9	7.2
19	4.8	1.7	1.7	2.6	191	59	26	18	10	7.8	5.8	7.4
20	4.6	2.2	1.8	3.1	148	55	25	19	10	7.4	6.2	7.7
21	4.6	1.6	1.8	2.3	106	52	24	20	9.2	7.1	6.9	7.5
22	4.8	2.0	1.7	1.6	82	48	24	18	9.5	7.0	8.8	7.3
23	5.1	1.4	1.5	1.8	142	47	24	17	9.0	6.8	7.4	7.1
24	5.2	1.6	1.3	1.5	224	46	24	15	9.7	7.4	7.1	7.0
25	5.0	2.2	1.1	1.4	231	46	23	16	9.8	8.7	6.6	7.6
26	4.9	1.8	.95	1.2	146	44	23	17	9.5	8.8	6.5	7.4
27	4.8	2.1	.84	1.4	117	42	23	19	9.2	8.3	6.0	8.3
28	4.7	2.3	.80	1.7	98	38	23	20	9.1	7.9	5.9	8.1
29	4.9	2.7	.80	1.9	---	37	23	21	9.0	7.9	6.4	7.7
30	5.0	3.0	.85	1.9	---	35	23	22	9.5	7.7	6.3	8.1
31	5.0	---	1.0	2.2	---	34	---	20	---	7.5	6.3	---
TOTAL	151.2	109.3	75.34	53.50	1954.7	2031	859	594	351.5	254.4	203.2	211.0
MEAN	4.88	3.64	2.43	1.73	69.8	65.5	28.6	19.2	11.7	8.21	6.55	7.03
MAX	5.3	5.1	6.0	6.0	331	183	35	23	19	9.3	8.8	8.6
MIN	4.4	1.4	.80	.73	1.2	34	23	15	9.0	6.8	5.8	5.7
AC-FT	300	217	149	106	3880	4030	1700	1180	697	505	403	419

CAL YR 1985	TOTAL	2956.56	MEAN	8.10	MAX	122	MIN	.15	AC-FT	5860
WTR YR 1986	TOTAL	6848.14	MEAN	18.8	MAX	331	MIN	.73	AC-FT	13580

13169500 BIG JACKS CREEK NEAR BRUNEAU, ID--Continued
(Hydrologic benchmark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-76, March 1978 to January 1980, March 1982 to current year.
REMARKS.--Because of insignificant or no flow, unable to sample for water quality during water year 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV											
05...	1112	4.7	161	8.00	8.0	4.0	12.0	100	25	120	46
FEB											
24...	1215	230	94	7.80	16.5	8.0	11.2	114	46	120	29
MAY											
06...	1130	23	145	8.30	11.5	9.0	10.8	105	170	65	--
SEP											
08...	1300	6.5	149	8.60	22.5	15.0	9.7	109	160	150	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV										
05...	13	3.3	12	34	3.5	60	9.6	6.2	0.4	37
FEB										
24...	8.4	2.0	9.0	37	3.3	31	12	4.0	0.2	27
MAY										
06...	--	--	--	--	--	55	--	--	--	--
SEP										
08...	--	--	--	--	--	56	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV										
05...	104	120	0.14	1.3	<0.10	0.04	0.2	0.02	0.02	0.01
FEB										
24...	96	86	0.13	60	0.44	0.14	0.9	0.27	0.15	0.12
MAY										
06...	--	--	--	--	<0.10	0.05	0.4	0.05	0.04	0.03
SEP										
08...	--	--	--	--	<0.10	0.04	0.4	0.08	0.04	0.02

13169500 BIG JACKS CREEK NEAR BRUNEAU, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV									
05...	110	52	<0.5	1	<1	<3	2	66	<1
FEB									
24...	370	33	<0.5	<1	<1	<3	20	320	10

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV									
05...	6	1	<0.1	<10	<1	<1	<1	75	<6
FEB									
24...	4	6	0.2	<10	9	<1	<1	50	<6

DATE	ZINC, DISSOLVED (UG/L AS ZN)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV									
05...	12	--	--	--	--	--	--	--	--
FEB									
24...	18	0.9	22	2.8	8.1	2.4	6.7	0.04	0.11

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV			
05...	4	0.05	4
FEB			
24...	862	535	78
MAY			
06...	25	1.5	65
SEP			
08...	13	0.23	94

13170300 BASIN MUTUAL CANAL NEAR BRUNEAU, ID

LOCATION.--Lat 42°54'20", long 115°53'25", in NW¼NE¼SW¼ sec.17, T.6 S., R.5 E., Owyhee County, Hydrologic Unit 17050102, on left bank 5 mi west of Bruneau.

PERIOD OF RECORD.--July 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Canal carries water pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 28 ft^3/s Aug. 28, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	22	15
2										---	24	13
3										---	24	13
4										---	23	10
5										---	23	10
6										---	23	10
7										---	24	11
8										---	22	4.2
9										---	21	.00
10										---	21	.00
11										---	16	.00
12										---	16	.00
13										---	16	.00
14										---	20	.00
15										---	23	.00
16										---	21	.00
17										---	20	.00
18										17	20	.00
19										17	22	.00
20										20	19	.00
21										24	22	.00
22										23	24	.00
23										23	23	.00
24										24	22	3.0
25										25	21	10
26										28	21	10
27										26	20	10
28										26	17	9.7
29										26	15	9.5
30										24	15	9.2
31										26	14	---
TOTAL										---	634	147.60
MEAN										---	20.5	4.92
MAX										---	24	15
MIN										---	14	.00
AC-FT										---	1260	293

13170300 BASIN MUTUAL CANAL NEAR BRUNEAU, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4						.00	13	17	14	7.9	.64
2	9.4						.00	12	15	13	12	11
3	9.9						.00	8.5	18	14	12	22
4	12						.00	2.7	16	13	12	19
5	14						.00	4.1	14	15	11	20
6	2.5						.00	4.9	13	15	13	16
7	1.6						.00	3.6	11	15	12	10
8	6.3						.00	6.0	11	17	12	13
9	4.0						.00	5.7	11	17	12	13
10	2.0						.00	6.9	13	17	12	11
11	3.8						3.4	6.9	16	17	12	13
12	3.1						3.8	12	15	17	12	15
13	.13						2.8	13	16	18	12	6.8
14	.00						3.5	12	17	18	13	.00
15	.00						1.0	13	17	21	13	.00
16	.00						8.1	10	17	22	7.4	2.1
17	.00						4.4	9.3	17	20	7.9	9.6
18	.00						5.6	7.4	17	16	13	12
19	.00						9.4	9.0	17	14	15	11
20	.00						10	10	17	14	9.6	11
21	.00						12	12	18	14	11	11
22	.00						13	13	17	14	17	11
23	.00						11	11	18	14	23	12
24	.00						10	12	17	13	24	6.6
25	.00						9.6	14	15	12	21	.00
26	.00						13	13	15	12	22	.00
27	.00						15	13	16	13	22	.00
28	.00						14	13	17	12	28	.00
29	.00						14	13	15	11	26	.00
30	.00						15	17	18	11	21	.00
31	.00						---	19	---	9.9	.01	---
TOTAL	78.13						178.60	320.0	471	462.9	445.81	256.74
MEAN	2.52						5.95	10.3	15.7	14.9	14.4	8.56
MAX	14						15	19	18	22	28	22
MIN	.00						.00	2.7	11	9.9	.01	.00
AC-FT	155						354	635	934	918	884	509

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13170700 LITTLE VALLEY MUTUAL CANAL NEAR BRUNEAU, ID

LOCATION.--Lat 42°55'18", long 115°57'02", in SW¼NE¼NW¼ sec.11, T.6 S, R.4 E., Owyhee County, Hydrologic Unit 17050101, about 8 mi northwest of Bruneau and 1.5 mi southeast of C.J. Strike Dam.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,670 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 55 ft^3/s June 26; no flow many days each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28						.00	13	40	45	---	20
2	28						.00	12	37	45	---	34
3	24						.00	10	46	46	---	33
4	19						.00	14	46	46	---	32
5	13						.00	14	46	45	---	33
6	13						.00	13	45	45	---	22
7	14						5.3	2.7	31	38	---	15
8	15						2.9	7.6	38	40	---	21
9	13						4.2	17	32	30	---	16
10	14						10	17	37	41	---	15
11	8.3						8.5	6.2	39	31	---	8.0
12	3.3						1.9	4.1	43	46	---	6.3
13	3.8						.00	3.0	43	28	---	.89
14	8.8						.00	1.6	42	30	---	11
15	.00						8.0	.72	33	48	---	4.4
16	.00						14	14	40	42	---	16
17	.00						8.2	11	46	35	---	24
18	7.0						5.5	17	32	35	---	16
19	2.4						11	17	45	40	32	16
20	6.9						6.2	21	46	34	32	13
21	5.9						8.7	33	52	27	32	.05
22	3.6						6.4	33	44	35	38	16
23	1.5						11	37	44	35	31	17
24	.00						15	34	35	34	22	23
25	.00						9.7	28	45	33	27	16
26	.00						11	21	55	33	32	15
27	.00						12	18	49	24	29	5.5
28	.00						11	39	47	14	39	.00
29	.00						7.8	33	49	13	34	.00
30	.00						12	45	40	---	25	.00
31	.00						---	44	---	---	21	---
TOTAL	232.50						190.30	580.92	1267	---	---	449.14
MEAN	7.50						6.34	18.7	42.2	---	---	15.0
MAX	28						15	45	55	---	---	34
MIN	.00						.00	.72	31	---	---	.00
AC-FT	461						377	1150	2510	---	---	891

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13170900 BYBEE LATERAL NEAR BRUNEAU, ID

LOCATION.--Lat 42°56'21", long 115°58'10", in NW¼NE¼NW¼ sec.3, T.6 S., R.4 E., Owyhee County, Hydrologic Unit 17050101, 0.5 mi south of C.J. Strike Dam, and 9.5 mi northwest of Bruneau.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage 2,500 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 82 ft^3/s, Aug. 29; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30						.00	60	57	58	62	55
2	39						.00	65	58	71	63	52
3	38						.00	63	66	75	49	54
4	38						.00	62	73	72	39	55
5	37						.00	56	71	64	47	39
6	31						.00	52	59	65	68	29
7	26						.00	47	59	62	80	29
8	21						.00	39	51	56	78	28
9	6.1						.00	39	49	59	77	26
10	.00						.00	40	56	52	77	23
11	.00						.00	37	57	42	63	19
12	.00						.00	36	58	43	55	26
13	.00						.00	39	66	44	73	25
14	.00						1.2	49	72	39	73	25
15	.00						16	49	69	43	75	26
16	.00						30	47	57	53	75	26
17	.00						30	41	74	58	72	25
18	.00						32	30	78	65	62	25
19	.00						36	49	79	66	55	25
20	.00						35	48	77	68	53	25
21	.00						43	49	79	64	65	26
22	.00						49	42	65	59	69	26
23	.00						43	41	57	51	68	26
24	.00						49	40	64	62	64	22
25	.00						53	42	76	63	59	11
26	.00						44	42	73	64	43	7.0
27	.00						45	40	73	47	50	2.7
28	.00						51	33	71	44	73	.00
29	.00						58	45	76	57	82	.00
30	.00						60	51	73	51	78	.00
31	.00						---	60	---	68	70	---
TOTAL	266.10						675.20	1433	1993	1783	2017	757.70
MEAN	8.58						22.5	46.2	66.4	57.5	65.1	25.3
MAX	39						60	65	79	75	82	55
MIN	.00						.00	30	49	39	39	.00
AC-FT	528						1340	2340	3950	3540	4000	1500

13170910 TRIANGLE DAIRY RELIFT CANAL NEAR GRAND VIEW, ID

LOCATION.--Lat 42°56'02", long 116°02'33", in NW¼SW¼NE¼ sec. 6, T. 6 S., R. 4 E., Owyhee County, Hydrologic Unit 17050103, on left bank just downstream from pipeline exit, 2 mi southwest of C.J. Strike Dam, and 6 mi southeast of Grand View.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,600 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Canal carries water pumped from the Bybee Lateral.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 30 ft^3/s, July 19, 20, 22, Aug. 17-22, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	20	24	29	28	20
2							---	20	24	26	29	20
3							---	20	24	26	28	19
4							---	20	24	26	28	19
5							---	20	22	27	28	18
6							---	20	22	26	29	18
7							---	19	23	26	28	18
8							---	19	22	26	28	17
9							---	19	22	27	28	17
10							---	19	21	26	27	17
11							.00	19	22	29	27	13
12							.00	19	25	26	28	12
13							.00	20	28	26	28	12
14							7.2	20	27	25	28	12
15							18	20	26	21	28	13
16							20	20	27	21	29	13
17							23	17	27	25	30	14
18							23	17	28	29	30	14
19							18	17	28	30	30	14
20							18	18	27	30	30	15
21							19	18	28	29	30	15
22							20	17	27	30	30	16
23							20	17	28	27	29	16
24							20	17	29	27	28	17
25							21	17	29	25	25	6.4
26							21	17	29	25	23	.00
27							21	19	29	27	20	.00
28							21	20	29	27	19	.00
29							20	20	29	27	22	.00
30							20	23	29	23	21	.00
31							---	24	---	26	21	---
TOTAL							---	592	779	840	837	385.40
MEAN							---	19.1	26.0	27.1	27.0	12.8
MAX							---	24	29	30	30	20
MIN							---	17	21	21	19	.00
AC-FT							---	1170	1550	1670	1660	764

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13171100 SNAKE RIVER IRRIGATION DISTRICT CANAL NEAR GRAND VIEW, ID

LOCATION.--Lat 42°57'02", long 115°58'01", in NW¼SW¼NW¼ sec.34, T.5 S., R.4 E., Owyhee County, Hydrologic Unit 17050103, on left bank at road crossing, 0.4 mi north of C.J. Strike Dam.

PERIOD OF RECORD.--March to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Canal carries water from C.J. Strike Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 189 ft^3/s July 26, Aug. 1, 13, 15, 16; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	101	171	177	187	189	165
2						---	103	171	178	186	188	162
3						---	107	173	179	186	188	163
4						---	110	171	182	186	188	163
5						---	114	170	177	185	188	163
6						---	117	170	178	185	188	162
7						---	123	170	173	185	188	162
8						---	124	173	172	185	188	163
9						---	125	171	172	184	188	161
10						---	132	166	173	185	188	148
11						---	138	168	173	186	188	154
12						---	137	170	172	186	188	150
13						---	138	164	172	186	189	141
14						---	137	163	181	186	188	135
15						---	137	163	180	186	189	127
16						---	143	163	181	186	189	123
17						---	153	163	184	187	188	124
18						---	153	164	185	187	186	123
19						---	153	162	184	186	186	123
20						---	152	163	183	186	178	124
21						---	153	161	184	186	175	124
22						---	161	163	186	187	180	125
23						---	162	168	185	187	180	113
24						---	164	165	185	187	181	103
25						---	168	160	183	187	185	103
26						58	165	166	182	189	177	100
27						60	168	170	185	187	172	102
28						69	175	169	184	188	174	106
29						78	174	167	184	187	170	101
30						88	171	170	186	186	167	91
31						95	---	173	---	188	169	---
TOTAL						---	4258	5181	5400	5775	5680	4004
MEAN						---	142	167	180	186	183	133
MAX						---	175	173	186	189	189	165
MIN						---	101	160	172	184	167	91
AC-FT						---	8450	10280	10710	11450	11270	7940

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13171200 GRAND VIEW IRRIGATION DISTRICT CANAL NEAR GRAND VIEW, ID

LOCATION.--Lat 42°56'37", long 115°59'33", in SE¼NW¼SW¼ sec.33, T.5 S., R.4 E., Owyhee County, Hydrologic Unit 17050103, and 0.75 mi west of C.J. Strike Dam.

PERIOD OF RECORD.--July 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,415 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Canal carries water from C.J. Strike Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 212 ft^3/s June 28, July 5, 8, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	201	188
2										---	200	183
3										---	200	180
4										---	200	181
5										---	200	180
6										---	201	177
7										---	203	160
8										---	203	138
9										---	202	133
10										---	199	121
11										---	197	114
12										---	194	114
13										---	193	114
14										---	193	114
15										---	193	114
16										---	199	115
17										200	199	115
18										200	199	114
19										201	202	114
20										201	197	111
21										201	196	98
22										201	193	98
23										201	191	97
24										201	190	97
25										201	190	98
26										201	191	98
27										201	191	96
28										201	191	97
29										201	191	96
30										201	191	96
31										200	190	---
TOTAL										---	6080	3751
MEAN										---	196	125
MAX										---	203	188
MIN										---	190	96
AC-FT										---	12060	7440

13171200 GRAND VIEW IRRIGATION DISTRICT CANAL NEAR GRAND VIEW, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100						.00	199	205	211	167	140
2	101						.00	199	206	211	167	159
3	100						87	199	205	211	166	170
4	100						107	198	205	210	166	170
5	109						106	199	205	212	153	170
6	116						131	199	206	211	1.4	170
7	110						131	198	206	211	105	170
8	112						131	198	206	212	171	170
9	112						131	198	206	211	171	171
10	112						131	199	205	211	171	170
11	112						132	199	205	209	170	162
12	112						132	198	205	209	169	147
13	112						131	198	205	209	171	134
14	112						132	198	207	209	174	134
15	90						132	200	206	145	178	134
16	.00						132	203	206	44	187	134
17	.00						136	202	206	174	188	134
18	.00						142	202	206	174	183	134
19	.00						142	203	206	175	179	126
20	.00						162	203	205	173	179	122
21	.00						170	202	206	170	179	122
22	.00						170	202	206	170	178	122
23	.00						170	204	206	170	177	135
24	.00						170	205	206	171	176	144
25	.00						177	204	207	171	179	135
26	.00						187	205	207	169	179	128
27	.00						191	205	207	165	178	129
28	.00						191	205	212	166	178	128
29	.00						191	205	211	166	177	128
30	.00						195	206	211	166	174	129
31	.00						---	205	---	166	155	---
TOTAL	1610.00						4140.00	6240	6191	5682	5146.4	4321
MEAN	51.9						138	201	206	183	166	144
MAX	116						195	206	212	212	188	171
MIN	.00						.00	198	205	44	1.4	122
AC-FT	3190						8210	12380	12280	11270	10210	8570

DIVERSIONS FROM SNAKE RIVER

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13171300 GRAND VIEW MUTUAL CANAL NEAR GRAND VIEW, ID

LOCATION.--Lat 42°56'31", long 115°59'26", in NW¼SE¼SW¼ sec.33, T.5 S., R.4 E., Owyhee County, Hydrologic Unit 17050103, on left bank 0.7 mi west of C.J. Strike Dam.

PERIOD OF RECORD.--March to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 28, Apr. 2, 11, 18, May 14. Records good. Canal carries water from C.J. Strike Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 131 ft^3/s July 25, 1986; no flow for long periods each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	85	---	113	124	127	119
2						---	85	---	114	124	128	121
3						---	---	---	116	124	127	121
4						---	---	---	118	124	127	121
5						---	---	---	117	124	128	120
6						---	---	---	117	125	128	120
7						---	---	---	117	125	127	121
8						---	---	---	117	126	128	122
9						---	---	---	117	125	127	122
10						---	---	---	117	126	126	119
11						---	87	---	116	127	124	116
12						---	87	---	117	127	124	117
13						---	87	---	119	127	124	118
14						---	87	104	120	127	123	117
15						---	87	105	79	127	123	116
16						---	86	105	33	128	122	117
17						---	86	104	66	127	123	117
18						---	86	106	121	127	123	116
19						---	---	105	122	128	123	118
20						---	---	106	122	127	121	109
21						---	---	105	122	128	121	95
22						---	---	107	122	128	122	92
23						---	---	109	122	128	120	92
24						---	---	108	123	129	120	92
25						---	---	109	123	131	123	92
26						---	---	109	123	130	123	92
27						---	---	109	124	129	122	92
28						58	---	109	124	128	122	91
29						77	---	110	123	128	122	79
30						74	---	112	123	127	123	78
31						89	---	112	---	128	124	---
TOTAL						---	---	---	3407	3933	3845	3262
MEAN						---	---	---	114	127	124	109
MAX						---	---	---	124	131	128	122
MIN						---	---	---	33	124	120	78
AC-FT						---	---	---	6760	7800	7630	6470

13171500 C.J. STRIKE RESERVOIR NEAR GRAND VIEW, ID

LOCATION.--Lat 42°56'38", long 115°58'28", in SW¼NW¼SW¼ sec. 34, T. 5 S., R. 4 E., Owyhee County, Hydrologic Unit 17050103, on left bank near the dam on Snake River, 7 mi southeast of Grand View, and at mile 492.0.

PERIOD OF RECORD.--March 1952 to September 1967, July to September 1986.

GAGE.--Water-stage recorder. Datum of gage is 2,400 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began in February 1952. Total capacity, 250,000 acre-ft at elevation 2,455 ft (top of spillway gates), of which about 50,000 acre-ft is controlled storage. Water is used for power generation in plant of Idaho Power Co. Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 253,700 acre-ft Mar. 31, 1956, elevation, 2455.49 ft; minimum since first filling, 224,000 acre-ft Aug. 24, 1986, elevation 2451.39 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 228,500 acre-ft Aug. 5, elevation 2452.03 ft; minimum, 224,000 acre-ft Aug. 24, elevation 2451.39 ft.

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										226700	226300	226700
2										225200	226800	226600
3										224900	225500	226800
4										226800	226100	226800
5										226300	225700	226600
6										227400	226200	226600
7										226800	226100	226600
8										226800	225800	226100
9										225800	225500	225900
10										225800	225400	226100
11										226400	225900	226600
12										226400	225300	225600
13										226100	226200	225900
14										226700	226400	225800
15										225700	226100	226000
16										225100	226200	226000
17										225600	225500	225700
18										226100	226100	225700
19										226500	227000	225500
20										226600	225600	226400
21										226600	226600	226300
22										226800	225600	226100
23										226600	224800	226600
24										226500	225800	226800
25										226500	226200	225900
26										227700	226000	225500
27										227200	225900	225500
28										226700	226100	226300
29										226300	226500	225500
30										224900	226900	225600
31										225000	226800	---
MEAN										226300	226100	226100
MAX										227700	227000	226800
MIN										224900	224800	225500
(†)										2451.53	2451.79	2451.61
(‡)											-100	+700

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13171620 SNAKE RIVER BELOW C.J. STRIKE DAM NEAR GRAND VIEW, ID

LOCATION.--Lat 42°56'50", long 115°58'49", in SW¼SE¼NE¼ sec.33, T.5 S., R.4 E., Owyhee County, Hydrologic Unit 17050103, on downstream left bank end of bridge about 0.35 mi below dam, 10 mi northwest of Bruneau, and 6.5 mi southeast of Grand View.

DRAINAGE AREA.--40,800 mi^2, approximately.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,350 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 24 to Jan. 16. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,400 ft^3/s Feb. 19, 1986, gage height, 12.80 ft; minimum, 4,420 ft^3/s Aug. 5, 1986, gage height, 4.58 ft; minimum daily, 5,350 ft^3/s June 23, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,400 ft^3/s Feb. 19, gage height, 12.80 ft; minimum, 4,420 ft^3/s Aug. 5, gage height, 4.58 ft; minimum daily, 6,620 ft^3/s Aug 1.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 1 to Sept. 11)

5.0	5560	8.0	12400
6.0	7620	10.0	20400
		12.7	33800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10300	10000	15000	13200	15000	19200	30500	24600	21400	8310	6220	8870
2	10200	10200	14900	12600	14600	19900	33300	24600	20600	8560	6620	8920
3	10200	10100	15000	12100	13700	19700	32400	25000	21000	7940	6980	8890
4	9960	9920	13300	12200	13000	18300	32000	25000	21000	7560	6920	8930
5	9690	10500	12000	12300	12700	18500	32000	24400	18900	8230	7350	8940
6	9490	12200	11900	12100	11800	19500	31500	25300	20200	7990	6990	8880
7	9690	10100	8910	12400	11700	19500	30800	26100	21100	9320	7270	9110
8	10300	11900	9380	12200	11400	21000	30600	26100	21400	8430	7240	9390
9	10000	10300	12100	12000	11400	27000	24800	28300	23200	8340	7280	9520
10	10000	10800	10900	11900	11300	28900	22600	28500	23500	7110	7260	9360
11	10300	10300	11100	11700	12200	28200	22600	28900	25000	6500	7110	9330
12	10100	10700	9660	11600	11900	28600	24100	29100	25900	6510	7570	10200
13	9970	11400	9790	11600	12600	28800	23900	28800	24500	6730	6970	10100
14	10300	10500	10200	11600	14500	29400	23900	28400	24100	6680	7080	9960
15	10400	9770	11100	11800	15000	29700	26500	27300	24500	7320	7430	9810
16	11100	11400	12100	13000	16000	28500	27600	27800	24700	7200	7110	10200
17	10800	13900	12800	14000	21900	22600	27600	27700	25700	6860	7860	10200
18	10400	12800	10800	14900	28300	18500	27500	27500	24300	6260	7430	10100
19	10400	12400	10800	13400	32000	15000	27900	26900	22500	6610	7140	10100
20	10100	11100	11400	13600	32000	14800	27400	27100	22400	6880	8490	9940
21	10100	11100	10700	14500	24500	15700	26800	26100	22400	6720	8450	10300
22	10200	11400	11400	12500	19800	24500	26800	22600	22400	6650	8630	10600
23	10100	11300	13100	12100	22400	30600	26000	20600	22400	6750	7460	10300
24	10100	10600	11700	12200	25000	31100	22400	20200	22000	6780	7180	10800
25	10400	11300	12000	12900	23800	31900	22300	22800	20300	6730	8390	11100
26	10500	11300	12700	12300	21500	31100	25000	23400	16400	6400	8430	11200
27	10500	11700	13500	12600	20100	31600	23700	23500	14300	7590	7990	12900
28	10300	11500	12600	12400	19800	31400	24800	24400	11000	7620	8200	13600
29	10100	14000	13000	12100	---	31800	26000	23400	10600	7510	7970	14700
30	9830	15100	13200	12800	---	31900	25400	22500	9460	7980	7800	14600
31	9900	---	12900	14900	---	31400	---	22700	---	6860	8580	---
TOTAL	315730	339590	369940	391500	499900	778600	808700	789600	627160	226930	233400	310850
MEAN	10180	11320	11930	12630	17850	25120	26960	25470	20910	7320	7529	10360
MAX	11100	15100	15000	14900	32000	31900	33300	29100	25900	9320	8630	14700
MIN	9490	9770	8910	11600	11300	14800	22300	20200	9460	6260	6220	8870
AC-FT	626300	673600	733800	776500	991600	1544000	1604000	1566000	1244000	450100	462900	616600

WTR YR 1986 TOTAL 5691900 MEAN 15590 MAX 33300 MIN 6220 AC-FT 11290000

BETWEEN SNAKE RIVER AT KING HILL AND SNAKE RIVER BELOW C.J. STRIKE DAM

13172240 K.C. FARMS CANAL NEAR OREANA, ID

LOCATION.--Lat 43°07'42", long 116°18'54", in SE¼SE¼SE¼, sec.27, T.3 S., R.1 E., Owyhee County, Hydrologic Unit 17050103, 0.3 mi downstream from mouth of Fossil Creek, and 9 mi north of Oreana.

PERIOD OF RECORD.--July 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,400 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Canal was built to carry water pumped from the Snake River. There was no recorded flow for the period of record.

EXTREMES FOR PERIOD OF RECORD.--No flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.00	.00	.00	.00	.00	.00
2							.00	.00	.00	.00	.00	.00
3							.00	.00	.00	.00	.00	.00
4							.00	.00	.00	.00	.00	.00
5							.00	.00	.00	.00	.00	.00
6							.00	.00	.00	.00	.00	.00
7							.00	.00	.00	.00	.00	.00
8							.00	.00	.00	.00	.00	.00
9							.00	.00	.00	.00	.00	.00
10							.00	.00	.00	.00	.00	.00
11							.00	.00	.00	.00	.00	.00
12							.00	.00	.00	.00	.00	.00
13							.00	.00	.00	.00	.00	.00
14							.00	.00	.00	.00	.00	.00
15							.00	.00	.00	.00	.00	.00
16							.00	.00	.00	.00	.00	.00
17							.00	.00	.00	.00	.00	.00
18							.00	.00	.00	.00	.00	.00
19							.00	.00	.00	.00	.00	.00
20							.00	.00	.00	.00	.00	.00
21							.00	.00	.00	.00	.00	.00
22							.00	.00	.00	.00	.00	.00
23							.00	.00	.00	.00	.00	.00
24							.00	.00	.00	.00	.00	.00
25							.00	.00	.00	.00	.00	.00
26							.00	.00	.00	.00	.00	.00
27							.00	.00	.00	.00	.00	.00
28							.00	.00	.00	.00	.00	.00
29							.00	.00	.00	.00	.00	.00
30							.00	.00	.00	.00	.00	.00
31							---	.00	---	.00	.00	---
TOTAL							.00	.00	.00	.00	.00	.00
MEAN							.00	.00	.00	.00	.00	.00
MAX							.00	.00	.00	.00	.00	.00
MIN							.00	.00	.00	.00	.00	.00
AC-FT							.00	.00	.00	.00	.00	.00

13172240 K.C. FARMS CANAL NEAR OREANA, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.00	.00	.00	.00	.00	.00
2							.00	.00	.00	.00	.00	.00
3							.00	.00	.00	.00	.00	.00
4							.00	.00	.00	.00	.00	.00
5							.00	.00	.00	.00	.00	.00
6							.00	.00	.00	.00	.00	.00
7							.00	.00	.00	.00	.00	.00
8							.00	.00	.00	.00	.00	.00
9							.00	.00	.00	.00	.00	.00
10							.00	.00	.00	.00	.00	.00
11							.00	.00	.00	.00	.00	.00
12							.00	.00	.00	.00	.00	.00
13							.00	.00	.00	.00	.00	.00
14							.00	.00	.00	.00	.00	.00
15							.00	.00	.00	.00	.00	.00
16							.00	.00	.00	.00	.00	.00
17							.00	.00	.00	.00	.00	.00
18							.00	.00	.00	.00	.00	.00
19							.00	.00	.00	.00	.00	.00
20							.00	.00	.00	.00	.00	.00
21							.00	.00	.00	.00	.00	.00
22							.00	.00	.00	.00	.00	.00
23							.00	.00	.00	.00	.00	.00
24							.00	.00	.00	.00	.00	.00
25							.00	.00	.00	.00	.00	.00
26							.00	.00	.00	.00	.00	.00
27							.00	.00	.00	.00	.00	.00
28							.00	.00	.00	.00	.00	.00
29							.00	.00	.00	.00	.00	.00
30							.00	.00	.00	.00	.00	.00
31							---	.00	---	.00	.00	---
TOTAL							.00	.00	.00	.00	.00	.00
MEAN							.00	.00	.00	.00	.00	.00
MAX							.00	.00	.00	.00	.00	.00
MIN							.00	.00	.00	.00	.00	.00
AC-FT							.00	.00	.00	.00	.00	.00

13172410 MURPHY FLAT CANAL NEAR MURPHY, ID

LOCATION.--Lat 43°11'55", long 116°23'47", in NE¼NE¼NE¼, sec.1, T.3 S., R.1 W., Owyhee County, Hydrologic Unit 17050103, on right bank of concrete sidewall, and 3.2 mi upstream from Swan Falls Dam.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 2,930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Canal carries water pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 36 ft^3/s Sept. 7, 8; no flow for many days each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								.00	4.5	25	21	25
2								.00	4.1	25	21	27
3								.00	5.2	25	21	27
4								.00	5.2	25	21	23
5								.00	4.7	25	21	23
6								.00	4.3	25	21	34
7								.00	.00	24	21	36
8								.00	.00	25	21	36
9								.00	7.2	24	21	23
10								.00	14	24	21	21
11								.00	14	26	22	25
12								.00	14	32	24	25
13								.00	14	32	25	25
14								.00	14	32	26	25
15								.00	11	32	27	25
16								.00	12	32	23	25
17								.00	12	32	16	26
18								.00	14	32	16	26
19								.00	14	32	16	21
20								.00	14	32	19	16
21								.00	20	32	27	16
22								.00	24	32	27	16
23								.00	24	31	26	16
24								.00	24	31	20	16
25								.00	24	30	26	11
26								.00	24	22	26	.00
27								.00	24	22	25	.00
28								.00	24	22	19	.00
29								.00	24	21	4.4	.00
30								1.1	24	21	16	.00
31								5.2	---	21	27	---
TOTAL								6.30	418.20	846	667.4	589.00
MEAN								.20	13.9	27.3	21.5	19.6
MAX								5.2	24	32	27	36
MIN								.00	.00	21	4.4	.00
AC-FT								12	829	1680	1320	1170

13172420 SINKER BUTTE CANAL NEAR MURPHY, ID

LOCATION.--Lat 43°13'08", long 116°23'32", in NW¼NW¼SW¼, sec.30, T.2 S., R.1 E., Owyhee County, Hydrologic Unit 17050103, 1.8 mi upstream from Swan Falls Dam.

PERIOD OF RECORD.--April to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 3,020 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Canal carries irrigation water pumped from the Snake River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 29 ft^3/s June 27, July 22-25; no flow for many days each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	5.2	24	24	20	20
2							---	5.3	22	22	6.0	21
3							---	5.4	16	26	15	21
4							---	5.5	25	26	17	21
5							---	5.2	25	25	17	21
6							---	4.7	24	25	17	22
7							---	4.8	23	23	17	22
8							---	4.6	25	20	17	11
9							---	4.5	24	20	13	.00
10							---	1.9	17	23	17	.00
11							.00	.00	15	25	17	.00
12							.00	.00	15	25	13	.00
13							.00	.00	16	25	12	.00
14							.00	.00	21	25	17	.00
15							.00	.00	20	26	18	.00
16							.00	1.5	21	26	18	.00
17							.00	13	23	26	18	.00
18							.00	16	25	28	19	.00
19							.00	13	26	28	19	.00
20							4.8	17	26	25	19	.00
21							11	19	27	24	20	.00
22							16	18	27	29	20	6.4
23							11	13	27	29	11	7.1
24							20	13	26	29	20	4.2
25							17	13	23	29	21	4.0
26							13	14	28	11	21	1.8
27							13	14	29	.00	21	.00
28							12	15	27	.00	21	.00
29							5.1	20	25	16	21	.00
30							5.1	25	25	23	21	.00
31							---	25	---	22	20	---
TOTAL							---	296.60	697	705.00	543.0	182.50
MEAN							---	9.57	23.2	22.7	17.5	6.08
MAX							---	25	29	29	21	22
MIN							---	.00	15	.00	6.0	.00
AC-FT							---	588	1380	1400	1080	362

13172500 SNAKE RIVER NEAR MURPHY, ID

LOCATION.--Lat 43°17'31", long 116°25'12", in NW¼NE¼SE¼ sec.35, T.1 S., R.1 W., Ada County, Hydrologic Unit 17050103, on right bank 4.2 mi downstream from Swan Falls powerplant, 7.5 mi northeast of Murphy, and at mile 453.5.

DRAINAGE AREA.--41,900 mi^2, approximately.

PERIOD OF RECORD.--August to October 1912, August 1913 to current year.

REVISED RECORDS.--WSP 1737: 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 2,271.17 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1914, nonrecording gage, and Sept. 7, 1914, to Sept. 30, 1935, water-stage recorder at site 3.5 mi upstream at datum 9.79 ft higher.

REMARKS.-- Estimated daily discharges: Jan. 1 to Feb. 28. Records good. Major regulation by American Falls Reservoir, 260.5 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. Diversions above station for irrigation of about 2,590,000 acres, of which about 701,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--73 years, 11,300 ft^3/s, 8,187,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,300 ft^3/s June 22, 1918, gage height, 13.95 ft, site and datum then in use; minimum, 3,650 ft^3/s July 7, 1981, gage height, 2.22 ft; minimum daily, 4,530 ft^3/s June 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 33,700 ft^3/s Feb. 21; minimum, 4,750 ft^3/s July 18, gage height, 2.73 ft; minimum daily, 6,180 ft^3/s July 18.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

3.0	5480	8.0	20000
4.0	8250	10.0	26700
6.0	14000	12.0	34000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10500	10100	15500	13000	15500	20000	28300	23800	21800	8870	6490	8770
2	10300	10400	15900	13400	15000	20100	30800	24200	20600	9080	6510	8910
3	10000	10300	15800	12700	14000	20500	31100	23900	20700	7760	6610	9340
4	9920	10300	15000	12100	13500	19500	30500	24800	21000	8420	7200	9020
5	9560	10400	12600	12400	13200	18700	30400	24000	19900	8620	7190	9130
6	9380	12200	12700	12500	12200	19700	30200	24100	19500	8500	7380	9100
7	9700	11600	9580	12200	12000	19900	29600	25300	21100	9130	7220	9130
8	9800	11400	8930	12600	11800	20400	29800	24600	20800	9150	7360	9480
9	10300	10900	11500	12500	11900	24600	25700	27000	22200	8780	7610	9870
10	10000	10800	11600	12200	10500	28300	22900	27200	22600	7880	7390	9620
11	10000	11300	11200	12100	12700	27600	21900	27500	24000	6840	7270	9910
12	10500	10600	10300	11900	12500	27400	23400	28300	24600	6950	7420	9850
13	10100	11100	10700	11900	13200	27700	24000	27500	24800	6770	7650	10600
14	10000	12300	9840	12000	15000	28200	23000	27700	23000	6660	6860	10300
15	10200	9630	10600	12200	16000	28500	24900	27100	23500	7150	7320	10100
16	11200	10400	12300	14000	18000	28300	26600	25900	23700	7440	7690	10100
17	11100	14500	13700	14300	20500	24000	26800	26900	24900	7580	7290	10600
18	10700	13500	12600	15000	25500	20400	26400	26500	24000	6180	8190	10500
19	10100	12700	10900	14100	29000	16100	26900	26300	22500	6840	7370	10400
20	10200	12600	11200	13600	33500	15700	27000	26100	21700	6750	8210	10200
21	10200	10800	12300	14100	33700	15700	25800	25900	21900	7390	8610	10400
22	9850	11400	11600	13500	24700	20600	26000	23400	21900	6590	8800	10700
23	10000	12000	12000	12400	20500	27800	26000	21200	21900	7040	8460	11100
24	10000	11600	12600	12100	23500	29700	23100	20000	22100	7080	7480	11000
25	10200	11100	11600	12900	25800	30000	21100	21400	21300	6690	7790	10900
26	10500	11000	12000	12800	22000	29600	24300	23000	17900	6950	8540	12800
27	10700	12300	13300	12700	20800	30000	23700	23300	15600	7500	8570	12100
28	10400	12100	14000	12900	20600	29600	23400	23300	13300	7810	8220	13700
29	10300	12800	12900	12500	---	30100	25200	23500	11100	7950	8230	14500
30	9880	16000	13200	13900	---	30000	25200	22000	10300	7570	8330	15800
31	9720	---	13500	15000	---	30600	---	22700	---	7770	7840	---
TOTAL	315410	349030	381650	401500	517100	759300	784000	768400	624200	235690	237100	317930
MEAN	10170	11630	12310	12950	18470	24490	26130	24790	20810	7603	7648	10600
MAX	11200	16000	15900	15000	33700	30600	31100	28300	24900	9150	8800	15800
MIN	9380	9630	8930	11900	10500	15700	21100	20000	10300	6180	6490	8770
AC-FT	625600	692300	757000	796400	1026000	1506000	1555000	1524000	1238000	467500	470300	630600

CAL YR 1985	TOTAL	4573230	MEAN	12530	MAX	23100	MIN	4940	AC-FT	9071000
WTR YR 1986	TOTAL	5691310	MEAN	15590	MAX	33700	MIN	6180	AC-FT	11289000

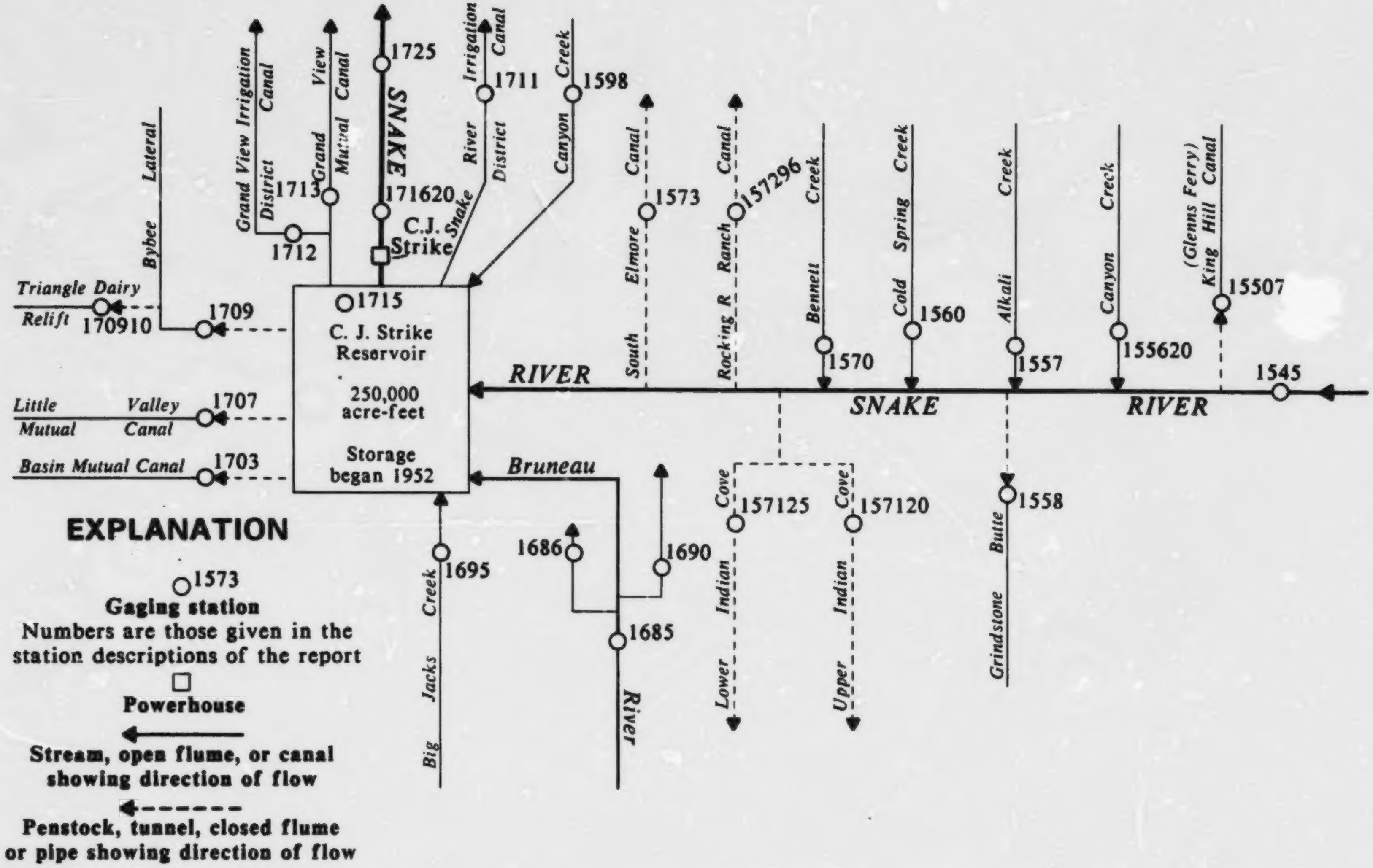
Grand View Irrigation District Canal
Grand View Mutual Canal
1725
SNAKE
Irrigation District Canal
1711
Snake River
Canyon Creek
1598
Bybee Lateral
1713
1712
171620
C.J. Strike
South Elmore Canal
1573
Rocking R Ranch Canal
157296
Bennett Creek
Cold Spring Creek
Alkali Creek
Canyon Creek
(Glenns Ferry) King Hill Canal
15507
Triangle Dairy Relift
170910
1709
1715
C. J. Strike Reservoir
250,000 acre-feet
Storage began 1952
1560
1570
1557
155620
RIVER
1545
SNAKE
RIVER
Little Mutual Valley Canal
1707
Basin Mutual Canal
1703
Bruneau
Lower Cove Indian
157125
Upper Cove Indian
157120
Grindstone Butte
1558
1686
1690
1695
Big Jacks Creek
1685
River
EXPLANATION
1573
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 22.--Gaging stations in Snake River basin between King Hill and Snake River near Murphy.

13181000 OWYHEE RIVER NEAR ROME, OR

LOCATION.--Lat 42°52'02", long 117°38'52", in SE¼NE¼ sec.14, T.31 S., R.41 E., Malheur County, Hydrologic Unit 17050107, on right bank 0.5 mi downstream from Jordan Creek, 2.6 mi north of Rome, and at mile 122.4.

DRAINAGE AREA.--About 8,000 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,344.20 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1960, at datum 0.24 ft lower.

REMARKS.--Estimated daily discharges: Nov. 23, 26, 28-30, Dec. 1, 2, 14-31, Jan. 1, 10-15. Records excellent except for estimated daily discharges, which are fair. Flow regulated by Antelope Reservoir, capacity, 70,000 acre-ft, increased in 1970, and Wild Horse Reservoir, capacity, 32,690 acre-ft, and numerous small reservoirs. Diversions upstream from station for irrigation.

AVERAGE DISCHARGE.--37 years, 1,041 ft^3/s, 754,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,400 ft/s Feb. 19, 1986, gage height, 19.09 ft; minimum, 42 ft^3/s Aug. 12, 1954, July 28, Aug. 5, 1961, July 31, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	0945	*41,400	*19.09	Feb. 24	1145	21,100	13.88
Mar. 9	1045	20,300	13.59	Apr. 14	0145	5,470	6.88

Minimum discharge, 121 ft^3/s Dec. 14, result of freezeup.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	213	230	260	1620	10500	4430	2140	1580	369	266	182
2	175	208	270	292	2130	9730	4220	1990	1610	346	267	161
3	178	205	309	297	2220	9220	4000	1870	1570	334	265	156
4	178	208	319	292	1910	8830	3720	1920	1520	334	262	178
5	176	209	364	292	1660	8320	3700	2140	1440	333	255	177
6	180	205	371	315	1380	7900	3550	2320	1370	331	252	176
7	186	203	366	343	1130	7620	3430	2500	1260	319	259	177
8	183	200	381	343	916	11000	3520	2420	1190	309	253	188
9	179	199	388	357	779	18100	3620	2310	1160	312	243	211
10	179	198	364	360	670	11900	4310	2300	1180	319	230	210
11	181	198	331	340	598	10000	4270	2510	1110	321	225	219
12	189	199	270	320	616	8860	3980	2760	997	329	217	201
13	191	193	202	320	723	7490	4730	2610	933	330	213	189
14	195	196	198	320	1850	6270	4970	2310	856	339	208	192
15	200	185	195	330	3250	5660	4790	2110	801	334	205	189
16	199	169	200	447	5560	5220	4330	2080	749	309	200	181
17	196	230	200	951	8760	5210	3590	1990	686	295	192	179
18	195	245	205	989	31100	5160	3100	1940	585	298	192	173
19	191	252	200	1190	36500	4280	2940	1870	547	291	193	170
20	191	236	195	1370	26400	3930	2780	1790	520	281	197	172
21	194	238	180	1230	17400	4220	2670	1780	490	272	199	171
22	194	216	180	1040	12200	4290	2650	1830	456	269	199	174
23	194	205	185	939	12800	4470	2780	1800	452	258	196	175
24	196	199	195	819	19000	4270	2920	1840	405	251	196	192
25	223	198	200	709	16900	4270	2760	1780	380	247	197	218
26	221	200	190	625	14500	3880	2690	1670	383	253	190	236
27	222	233	170	575	12900	3670	2590	1570	414	262	186	247
28	232	230	170	532	11500	3890	2520	1550	426	263	188	254
29	239	230	175	594	---	4340	2360	1480	401	269	188	258
30	233	230	190	771	---	4480	2260	1520	383	278	184	261
31	221	---	230	1040	---	4540	---	1550	---	273	180	---
TOTAL	6083	6330	7623	18602	246973	211720	104180	62250	25854	9328	6697	5865
MEAN	196	211	246	600	8820	6830	3473	2008	862	301	216	196
MAX	239	252	388	1370	36500	18100	4970	2760	1610	369	267	261
MIN	172	169	170	260	599	3670	2260	1480	380	247	180	156
AC-FT	12070	12560	15120	36900	489900	419900	206800	123500	51280	18500	13280	11630

CAL YR 1985 TOTAL 308054 MEAN 844 MAX 9810 MIN 139 AC-FT 611000
WTR YR 1986 TOTAL 711505 MEAN 1949 MAX 36500 MIN 156 AC-FT 1411000

13185000 BOISE RIVER NEAR TWIN SPRINGS, ID

LOCATION.--Lat 43°39'33", long 115°43'34", in NW¼NE¼ sec.27, T.4 N., R.6 E., Boise County, Hydrologic Unit 17050112, Boise National Forest, on right bank 0.7 mi upstream from Birch Creek, 1.8 mi upstream from maximum flow line of Arrowrock Reservoir, 3.2 mi downstream from Twin Springs, 15 mi upstream from Arrowrock Dam, and at mile 88.5.

DRAINAGE AREA.--830 mi^2, approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--March 1911 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,255.70 ft above National Geodetic Vertical Datum of 1929. Mar. 1911 to Apr. 3, 1915, nonrecording gage, and Apr. 4, 1915, to Sept. 30, 1965, water-stage recorder at site 0.3 mi downstream at datum 5.26 ft lower.

REMARKS.--Estimated daily discharges: Nov. 24, 25, Dec. 13, 14, Dec. 22 to Jan. 5, Apr. 12-17, Aug. 12-18, and Sept. 19-30. Records good.

AVERAGE DISCHARGE.--75 years, 1,221 ft^3/s, 19.98 in./yr, 884,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s Dec. 23, 1964, gage height, 12.20 ft, from floodmark, site and datum then in use; minimum, 105 ft^3/s Nov. 28, 1976, gage height, 2.64 ft; minimum gage height, 1.48 ft Dec. 6, 7, 1960 (site and datum then in use).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 8	0930	5090	7.64	Apr. 23	0815	5730	7.92
Mar. 30	0500	4210	7.17	May 4	0945	4280	7.17
Apr. 9	0300	3920	7.01	May 21	1145	5370	7.68
				June 1	0400	*9760	*9.66

Minimum discharge, 227 ft^3/s Dec. 11, gage height, 3.29 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 24, 25, Dec. 13, 14, Dec. 22 to Jan. 5;
shifting-control method used Aug. 29 to Sept. 19)

3.4	256	6.0	2350
4.0	512	7.0	3910
5.0	1240	8.0	5860
		10.0	10700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	650	465	440	974	2670	3320	2530	9050	1930	665	402
2	398	624	486	520	1020	2710	2960	2880	8810	1820	639	396
3	390	602	566	500	1040	2850	2810	3530	8530	1810	615	389
4	381	585	495	495	939	2810	2800	4160	8040	1780	592	379
5	378	641	481	490	848	2630	2910	3820	8020	1730	578	372
6	456	590	487	498	759	2590	3290	3430	6800	1540	567	365
7	490	661	506	485	616	2720	3690	3080	5710	1430	553	362
8	428	782	517	482	571	4690	3600	2830	5430	1410	560	406
9	415	637	471	470	484	4130	3820	2650	4670	1500	532	639
10	431	587	373	468	643	3400	3730	2700	4290	1410	512	483
11	452	629	278	434	643	2980	3670	2530	4310	1370	506	436
12	442	581	277	481	595	2650	3300	2370	4510	1330	480	417
13	417	548	380	468	585	2370	3050	2340	4330	1270	460	406
14	412	553	390	538	570	2150	2850	2310	4380	1210	440	412
15	413	498	380	480	719	1950	2700	2260	4250	1180	420	471
16	413	542	381	487	1190	1760	2520	2230	4030	1160	410	479
17	407	558	354	622	1740	1590	2450	2320	3980	1130	420	453
18	401	528	365	678	2070	1520	2270	2500	4000	1060	415	519
19	398	429	372	613	2400	1540	2190	3050	3590	1010	397	490
20	396	459	347	590	1950	1670	2320	3960	3100	987	399	520
21	510	472	355	547	1630	1790	3000	5050	2810	942	453	490
22	598	428	370	494	1520	1890	4000	4550	2850	915	495	480
23	1020	322	370	500	2350	2100	5520	3760	2630	889	462	455
24	1260	328	365	494	3240	2170	4940	3270	2690	861	454	460
25	1080	486	355	419	3230	2080	4360	3340	2610	852	412	510
26	971	420	360	359	3160	2100	3870	4280	2620	842	399	520
27	924	403	355	405	3020	2740	3250	5060	2490	805	387	570
28	896	472	350	519	2770	3480	3030	7610	2440	765	381	570
29	806	525	355	590	---	3800	2880	8520	2320	732	381	340
30	749	531	360	715	---	4070	2620	9020	2090	712	415	355
31	694	---	360	878	---	3750	---	9060	---	689	410	---
TOTAL	17830	16067	12328	16139	41276	81430	97520	121680	134960	37051	14809	13946
MEAN	575	536	398	521	1474	2627	3251	3925	4499	1195	478	465
MAX	1260	782	566	878	3240	4690	5520	9060	9050	1930	665	639
MIN	378	322	277	359	484	1520	2190	2230	2090	689	381	362
CFSM	.69	.65	.48	.63	1.78	3.17	3.92	4.73	5.42	1.44	.58	.56
IN.	.80	.72	.55	.72	1.85	3.65	4.37	5.45	6.05	1.66	.66	.63
AC-FT	35370	31870	24450	32010	81870	161500	193400	241400	267700	73490	29370	27660

CAL YR 1985 TOTAL 367084 MEAN 1006 MAX 4230 MIN 277 CFSM 1.21 IN. 16.45 AC-FT 728100
WTR YR 1986 TOTAL 605036 MEAN 1658 MAX 9060 MIN 277 CFSM 2.00 IN. 27.12 AC-FT 1200000

13186000 SOUTH FORK BOISE RIVER NEAR FEATHERVILLE, ID

LOCATION.--Lat 43°29'40", long 115°18'20", in lot 6, NE¼ sec.19, T.2 N., R.10 E., Elmore County, Hydrologic Unit 17050113, on right bank 2.5 mi upstream from Deer Creek, 8 mi southwest of Featherville, and at mile 59.0.

DRAINAGE AREA.--635 mi2. Mean elevation, 6,840 ft.

PERIOD OF RECORD.--April 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,218.557 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 23-28, Dec. 11-18, Dec. 21 to Jan. 15 and July 25 to Aug. 6. Records good except for estimated daily discharges, which are fair. No regulation. Diversions above station for irrigation of about 450 acres (1966 determination).

AVERAGE DISCHARGE.--41 years, 814 ft^3/s, 17.41 in./yr, 589,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,960 ft^3/s May 30, 1983, gage height, 7.87 ft; minimum, 30 ft^3/s Feb. 10, 1949, gage height, 0.86 ft, result of snowslide upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 8	1000	2120	4.16	Apr. 23	0530	4020	5.53
Mar. 31	0445	2610	4.69	May 4	0515	3480	5.17
Apr. 12	0345	2900	4.76	May 21	1100	3840	5.41
				May 30	0600	*6900	*7.22

Minimum daily discharge, 172 ft^3/s Dec. 12.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

1.4	159	3.0	962
1.7	228	4.0	1930
2.0	348	6.0	4770
		8.0	8400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	315	266	265	338	870	2550	1980	6420	1250	402	293
2	254	313	276	295	344	897	2240	2170	6110	1170	400	289
3	250	322	284	288	345	992	1980	2600	6100	1140	392	285
4	247	315	244	282	313	1060	1900	3450	5970	1090	388	278
5	244	338	233	278	292	1070	1910	3260	5740	1040	382	268
6	244	323	256	282	292	1100	2060	2900	4800	948	375	262
7	274	334	274	270	248	1230	2410	2530	4250	887	368	262
8	277	357	286	260	219	2000	2600	2270	3830	866	375	261
9	250	301	265	250	215	1740	2600	2090	3360	884	361	400
10	253	276	225	255	256	1470	2760	2150	3140	844	348	328
11	255	304	180	252	301	1270	2780	1970	3180	816	341	300
12	260	321	172	268	299	1130	2770	1810	3290	787	332	291
13	254	305	260	255	291	1010	2390	1770	3220	745	329	287
14	249	297	265	285	291	932	2090	1730	3250	711	329	293
15	240	283	255	260	320	852	[illegible]	1700	3100	690	318	306
16	244	290	240	267	411	818	1830	1680	3010	669	312	327
17	254	299	230	277	477	765	1740	1740	2940	655	317	310
18	250	284	235	298	493	726	1640	1920	2920	627	306	326
19	248	234	252	290	602	722	1610	2360	2680	603	297	325
20	248	247	234	283	555	782	1810	3050	2290	576	297	367
21	250	261	238	259	507	904	2450	3730	2040	550	358	353
22	285	236	245	234	468	1040	3240	3440	1910	521	367	332
23	334	195	245	256	526	1160	3960	2940	1870	502	348	320
24	453	215	245	271	676	1270	3750	2610	1870	498	338	319
25	428	270	235	238	786	1240	3350	2700	1810	490	312	357
26	387	235	228	222	825	1200	2850	3390	1770	460	298	371
27	367	220	230	238	853	1270	2570	4550	1670	455	292	404
28	365	255	225	271	850	1590	2380	5680	1600	450	288	403
29	354	279	230	302	---	2180	2250	6200	1510	430	288	375
30	339	284	235	310	---	2540	2040	6640	1370	420	294	378
31	328	---	238	319	---	2740	---	6620	---	410	300	---
TOTAL	8939	8508	7526	8380	12393	38550	72410	93910	97110	22184	10452	9690
MEAN	288	284	243	270	443	1244	2414	3029	3237	716	337	323
MAX	453	357	286	319	853	2740	3960	6640	6420	1250	402	404
MIN	240	195	172	222	215	722	1610	1680	1370	410	288	262
CFSM	.45	.45	.38	.43	.70	1.96	3.80	4.77	5.10	1.13	.53	.51
IN.	.52	.50	.44	.49	.73	2.26	4.24	5.50	5.69	1.30	.61	.57
AC-FT	17730	16880	14930	16620	24580	76460	143600	186300	192600	44000	20730	19220

CAL YR 1985 TOTAL 221654 MEAN 607 MAX 3000 MIN 170 CFSM .96 IN. 12.99 AC-FT 439700
WTR YR 1986 TOTAL 390052 MEAN 1069 MAX 6640 MIN 172 CFSM 1.68 IN. 22.85 AC-FT 773700

13190000 ANDERSON RANCH RESERVOIR AT ANDERSON RANCH DAM, ID

LOCATION.--Lat 43°21'31", long 115°26'45", in NW¼SW¼SE¼ sec. 1, T. 1 S., R. 8 E., Elmore County, Hydrologic Unit 17050113, Boise National Forest, at inlet structure of outlet works of Anderson Ranch Dam on South Fork Boise River, 1.5 mi downstream from Camas Creek, 20.5 mi northeast of Mountain Home, and at mile 43.5.

DRAINAGE AREA.--980 mi^2, approximately.

PERIOD OF RECORD.--December 1945 to current year.

REVISED RECORDS.--WDR Idaho 1969: 1968(m).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Bureau of Reclamation). Prior to June 8, 1962, nonrecording gage or supplementary gage in powerhouse read once daily.

REMARKS.--Reservoir is formed by earthfill dam. Storage began Dec. 15, 1945. Usable contents, 464,200 acre-ft between elevations 3,992 ft and 4,196 ft, top of spillway gates. Elevation of spillway crest, 4,174 ft, and of top of dam, 4,206 ft. Dead storage below 3,992 ft is 28,980 acre-ft. Figures given herein represent usable contents. Water is used for irrigation in Boise Valley and for power production.

COOPERATION.--Capacity table and daily readings provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 473,600 acre-ft June 11, 1983, elevation 4,197.98 ft; no usable contents prior to Jan. 27, 1946; minimum since full capacity was attained June 21, 1951, 63,830 acre-ft Jan. 6, 1962, elevation, 4,058.35 ft.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 463,700 acre-ft June 8, 13, elevation, 4,195.90 ft; minimum observed, 292,000 acre-ft Oct. 6, 14-21, elevation, 4,153.73 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

4,145.0	262,300	4,185.0	413,900
4,155.0	296,500	4,200.0	483,400
4,170.0	352,000		

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292100	296600	300800	301300	304100	335600	399200	446300	462600	461400	456900	412700
2	292100	296900	301100	301300	304600	338300	403700	445700	462300	461000	456400	410000
3	292100	297100	301400	301400	305000	341200	407000	446500	461900	460700	455900	407200
4	292100	297300	301300	301300	305300	344200	410200	448900	460900	459900	455300	404400
5	292100	297500	301300	301600	305600	347300	413400	450600	460700	459200	454600	401600
6	292000	297800	301500	301700	305800	350400	417000	451400	460100	458400	454000	398700
7	292100	298300	301700	301700	305800	354400	421500	451100	462400	458300	453500	395900
8	292100	298500	301900	301700	305800	361000	425500	450000	463700	458300	452900	393800
9	292100	298700	302100	301700	305700	366500	428600	449000	463200	458900	452400	390700
10	292100	298700	302000	301700	305700	369600	431800	448200	463400	459300	415600	388000
11	292100	298900	301800	301700	305600	370800	434400	446900	463500	459800	451000	385200
12	292100	299100	301500	301800	306300	371600	437300	445200	463600	460100	450200	382400
13	292100	299300	301400	301800	306700	372000	438800	443200	463700	460400	449600	379600
14	292000	299400	301400	301600	307100	372200	439400	441400	463200	460500	448800	376900
15	292000	299500	301300	301700	307500	371900	439300	439300	463600	460700	448100	374000
16	292000	299700	301300	302100	308300	371700	438500	437200	463100	460700	447400	372100
17	292000	299900	301300	302400	309700	371200	437300	435200	463600	460800	446700	371400
18	292000	300000	301200	302600	311400	370700	436000	433600	463600	460800	446000	370200
19	292000	299900	301300	302600	313300	370200	434600	433000	463000	460800	445200	369900
20	292000	300000	301300	302800	314700	370000	433700	433800	461900	460800	444300	369500
21	292000	300000	301200	302600	315900	370100	434300	436000	460400	460500	442700	368900
22	292400	300000	301200	302800	317200	370700	436700	437600	458700	460300	440100	368700
23	293000	299800	301200	302900	319300	371700	441100	438100	458200	459900	437500	368700
24	293700	299800	301200	302900	321900	372900	444500	437800	459000	459700	434900	368700
25	294200	300000	301200	302900	324600	374100	446700	437700	459500	459500	432200	368800
26	294700	300000	301200	302800	327500	375200	447900	438100	460200	459100	429500	369000
27	295100	300000	301200	302800	330400	376600	448400	443200	460800	458900	426800	369200
28	295400	300200	301200	303000	333000	379200	448400	449900	461200	458500	424100	369600
29	295800	300400	301200	303300	---	383400	448100	457600	461600	458200	421300	369700
30	295900	300600	301100	303400	---	388600	447200	462800	461800	457900	418500	369800
31	296200	---	301100	303700	---	394300	---	463000	---	457400	415800	---
MAX	296200	300600	302100	303700	333000	394300	448400	463000	463700	461400	456900	412700
MIN	292000	296600	300800	301300	304100	335600	399200	433000	458200	457400	415600	368700
(†)	4154.91	4156.17	4156.32	4157.05	4165.05	4180.45	4192.38	4195.74	4195.45	4194.56	4185.43	4174.50
(‡)	4100	4400	500	2600	29300	61300	52900	15800	-1400	-4200	-41600	-46000

CAL YR 1985.......(‡) -29400
WTR YR 1986.......(‡) 77700

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13190500 SOUTH FORK BOISE RIVER AT ANDERSON RANCH DAM, ID

LOCATION.--Lat 43°20'30", long 115°28'40", in NW¼ sec.14, T.1 S., R.8 E., Elmore County, Hydrologic Unit 17050113, Boise National Forest, on right bank 600 ft upstream from Dixie Creek, 1.8 mi downstream from Anderson Ranch, 2.2 mi northwest of Bennett, and at mile 41.5.

DRAINAGE AREA.--982 mi^2.

PERIOD OF RECORD.--April 1943 to current year (includes flow of Dixie Creek prior to October 1946).

GAGE.--Water-stage recorder. Datum of gage is 3,830.0 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Anderson Ranch Reservoir, 1.8 mi upstream (see sta 13190000), beginning Dec. 15, 1945. Flow of Little Camas Creek is stored in Little Camas Reservoir, capacity 22,300 acre-ft, no spill most years, and diverted out of basin through Little Camas Canal for irrigation of about 5,000 acres (1966 determination).

AVERAGE DISCHARGE.--43 years, 1,038 ft^3/s, 752,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,850 ft^3/s May 25, 1956, gage height, 10.56 ft; minimum, 0.1 ft^3/s Nov. 13, 1959; minimum gage height, 0.99 ft Feb. 16, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,530 ft^3/s June 1, gage height, 10.77 ft; minimum daily, 288 ft^3/s Mar. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	314	318	303	311	320	299	1580	3220	7820	1480	672	1670
2	316	318	306	313	320	299	1580	3220	7330	1490	674	1670
3	317	317	305	313	321	298	1570	3250	7370	1490	674	1670
4	318	316	306	311	321	299	1570	3270	7360	1490	673	1660
5	318	317	304	310	318	305	1570	3280	6840	1480	670	1670
6	318	316	303	307	316	303	1580	3290	5780	1480	678	1670
7	319	322	303	310	319	304	1570	3280	3740	1060	672	1670
8	322	318	301	312	322	298	1950	3280	3690	924	672	1690
9	322	318	300	312	322	288	2460	3270	4070	725	670	1720
10	322	318	302	313	318	1060	2610	3260	3440	667	667	1700
11	322	320	299	313	313	1600	2860	3250	3450	673	671	1700
12	322	319	301	315	315	1590	2870	3190	3570	667	676	1700
13	322	321	303	314	313	1590	2880	3220	3470	662	676	1700
14	321	317	303	314	307	1590	2870	3210	3770	672	675	1730
15	321	314	303	316	309	1590	3040	3190	3290	667	673	1700
16	321	314	302	320	307	1590	3260	3210	3410	668	673	1370
17	322	314	301	319	311	1590	3250	3230	2890	671	672	993
18	323	313	299	318	310	1580	3230	3220	3070	671	671	789
19	320	310	299	318	300	1580	3210	3210	3160	674	670	671
20	319	310	305	318	304	1570	3210	3230	3030	679	675	678
21	320	310	305	318	305	1560	3230	3310	2960	675	1240	678
22	323	310	305	318	306	1560	3260	3230	2950	673	1660	480
23	324	310	306	320	316	1570	3280	3300	2240	673	1670	356
24	321	309	306	322	305	1580	3320	3290	1670	674	1650	360
25	317	308	305	324	301	1580	3290	3250	1680	673	1670	361
26	317	304	306	325	300	1580	3270	3240	1570	672	1660	367
27	317	303	305	322	299	1570	3270	3260	1490	668	1610	380
28	315	303	303	321	301	1580	3270	3260	1490	671	1650	391
29	314	303	303	321	---	1580	3270	3410	1490	671	1680	384
30	314	300	305	325	---	1570	3260	5260	1480	669	1670	372
31	317	---	309	328	---	1580	---	7890	---	684	1660	---
TOTAL	9898	9390	9406	9821	8719	36933	81440	107480	109570	26393	31274	33950
MEAN	319	313	303	317	311	1191	2715	3467	3652	851	1009	1132
MAX	324	322	309	328	322	1600	3320	7890	7820	1490	1680	1730
MIN	314	300	299	307	299	288	1570	3190	1480	662	667	356
AC-FT	19630	18630	18660	19480	17290	73260	161500	213200	217300	52350	62030	67340

CAL YR 1985 TOTAL 306621 MEAN 840 MAX 3690 MIN 299 AC-FT 608200
WTR YR 1986 TOTAL 474274 MEAN 1299 MAX 7890 MIN 288 AC-FT 940700

13194000 ARROWROCK RESERVOIR AT ARROWROCK DAM, ID

LOCATION.--Lat 43°35'39", long 115°55'20", in SE¼NW¼SE¼ sec. 13, T. 3 N., R. 4 E., Elmore County, Hydrologic Unit 17050112, Boise National Forest, at Arrowrock Dam on Boise River, 14 mi east of Boise, and at mile 75.4.

DRAINAGE AREA.--2,210 mi^2, approximately.

PERIOD OF RECORD.--October 1917 to current year. Published as "at Arrowrock," October 1917 to September 1962.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam, completed in 1915 and raised 5 ft in 1937; storage began in 1915. Controlled capacity, 286,600 acre-ft, between elevations 2,940 ft and 3,216 ft at highest position of movable crest of spillway and 9.5 ft above sluice gate sill. Silt deposition at dam has raised the lower storage level and decreased the capacity of the reservoir. Prior to Oct. 1, 1952, contents specified in publications of the U.S. Geological Survey were derived from original capacity table, and no silt corrections were made. Beginning Oct. 1, 1952, contents were derived from revised table, which is the original table reduced by amounts varying from 347 acre-ft at elevation 2,974 ft to 5,000 acre-ft at elevation 3,085 ft and above. Water is used for irrigation in Boise Valley.

COOPERATION.--Gage readings and contents table provided by U.S Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 301,200 acre-ft May 29, 1948, elevation, 3,219.1 ft; no usable contents during period in each of several years when sluice gates were open and natural flow was passing through reservoir. Minimum since completion of Lucky Peak Dam (Oct. 1954), 20 acre-ft Oct. 9, 1969, elevation, 2,975 ft.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 292,200 acre-ft Feb. 18, elevation, 3,217.79 ft; minimum, 63,000 acre-ft Oct. 1, elevation, 3,111.17 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

3078.0	28400	3150.0	126000
3100.0	49000	3180.0	189500
3120.0	75000	3200.0	240000
		3218.0	292800

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
0800 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63000	125100	179100	191400	251200	286000	224200	193600	249000	282400	146200	197600
2	64600	127100	180100	192600	254900	285500	226000	191800	264100	280000	141400	194200
3	66200	129200	181300	193700	258800	285300	226300	190900	278700	277100	135900	191500
4	67800	131300	182300	194800	262700	284800	225300	192100	289000	273700	135800	189200
5	69300	133300	183300	196000	266500	284300	223800	193200	290500	271200	138500	187000
6	71000	135400	183900	197100	269300	282800	222400	192900	288700	268300	141400	184800
7	72800	137600	184200	198600	271800	278000	220200	191900	286000	265700	144600	182600
8	74600	139800	184600	200300	274200	279500	219000	190200	284900	262500	147300	180500
9	76500	142000	185800	202200	276300	280500	219200	188200	284100	258400	149900	179200
10	78000	143800	185900	204000	278700	282100	219500	186500	280200	253300	152600	178500
11	79700	145800	185200	205800	281100	285000	219700	184600	277200	249200	155100	177800
12	81500	147800	184400	207500	283500	286400	218800	181800	274300	245600	157600	176500
13	83300	149700	183700	209200	286100	286600	216700	179200	271000	241900	160000	175300
14	85000	151600	183000	211000	287000	283800	213800	177000	269100	237400	162600	174200
15	86700	153500	182300	212800	286800	281800	210500	175000	267600	232800	164900	173200
16	88500	155400	182000	214900	288100	281100	207400	172600	265700	228300	167200	171900
17	90200	157300	181900	217200	290400	276800	204600	170400	265400	223300	169600	170200
18	91900	159200	181800	219600	292200	271400	201700	168800	270800	217800	172000	168400
19	93600	160900	181900	221900	289700	263400	198300	168100	275300	212400	174300	167200
20	95300	162600	181900	224200	287800	253700	195300	169300	278400	207000	176700	166700
21	97100	164700	181800	226500	288400	244700	194000	173100	280700	202300	179700	166500
22	99300	165900	181700	228500	289100	236500	194200	175500	282600	197800	184200	165800
23	101600	167300	182300	230500	290400	228700	198000	176500	284900	193500	188900	164700
24	104800	168800	183300	232500	289900	221500	200800	176900	285800	188700	193700	163700
25	107900	170700	184200	234300	289200	216800	202400	177200	286700	182800	198000	162900
26	110600	172300	185100	236000	288500	215000	202600	178800	286300	177400	202300	162600
27	113400	173900	186000	237900	287600	213500	201900	184200	285000	172700	206600	163600
28	116000	175600	187000	239900	286800	213200	200300	192400	284000	167900	210800	164400
29	118400	177000	187900	242100	---	214600	198300	202300	283600	162600	210800	164600
30	120700	178000	188900	244600	---	216800	196200	214700	283100	156600	206000	163800
31	122600	---	190100	247800	---	220600	---	232000	---	151300	201600	---
MAX	122900	178000	190100	247800	292200	286600	226300	232000	290500	282400	210800	197600
MIN	63000	125100	179100	191400	251200	213200	194000	168100	249000	151300	135800	162600
(†)	3148.40	3174.99	3180.24	3202.78	3216.05	3192.52	3182.78	3196.94	3214.86	3162.50	3185.06	3168.50
(‡)	61500	55100	12100	57700	39000	-66200	-24400	35800	51100	-131800	50300	-37800

CAL YR 1985.......(‡) 53700
WTR YR 1986.......(‡) 102400

(†) Gage height, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13200000 MORES CREEK ABOVE ROBIE CREEK, NEAR ARROWROCK DAM, ID

LOCATION.--Lat 43°38'53", long 115°59'20", in SE¼SW¼ sec. 28, T. 4 N., R. 4 E., Boise County, Hydrologic Unit 17050112, on left bank at State roadside park, 1.7 mi upstream from Robie Creek, 5.0 mi northwest of Arrowrock Dam, and at mile 5.8.

DRAINAGE AREA.--399 mi^2.

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1958, published as "Moore Creek above Robie Creek, near Arrowrock," and October 1958 to September 1962, published as "near Arrowrock."

GAGE.--Water-stage recorder. Elevation of gage is 3,120 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 6 to Nov. 12, Nov. 25 to Feb. 8. Records good except for estimated daily discharges, which are fair. Small diversions above station for irrigation.

AVERAGE DISCHARGE.--36 years, 300 ft^3/s, 10.52 in./yr, 223,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,440 ft^3/s Dec. 23, 1955, gage height, 9.55 ft; minimum, 7.4 ft^3/s Aug. 18, 19, 1977, gage height, 1.71 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	0830	1450	5.68	Apr. 23	1545	1080	5.08
Feb. 24	0215	*4160	6.79	May 4	1145	860	4.68
Mar. 8	1045	2720	7.34	May 31	0930	1050	5.04
Mar. 31	0330	1600	5.89				

Minimum discharge, 29 ft^3/s Aug. 29, gage height, 2.16 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25 to Feb. 8)

2.1	28	4.0	535
2.4	64	5.0	1040
2.8	133	6.0	1670
3.3	273	8.5	3840

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	120	105	115	250	1660	1410	650	981	147	53	32
2	68	115	110	120	280	1600	1270	652	931	140	51	33
3	67	110	127	130	300	1660	1150	759	934	132	49	34
4	64	105	112	135	280	1620	1080	843	872	134	46	34
5	63	115	110	125	255	1530	1040	800	833	163	43	34
6	74	110	110	115	235	1500	1030	778	804	147	41	33
7	80	120	115	110	200	1630	1070	719	704	133	39	32
8	70	140	115	108	185	2560	1200	677	659	125	39	38
9	68	120	108	105	155	2370	1160	650	587	125	39	82
10	70	107	90	104	204	2060	1130	689	539	123	37	74
11	72	110	66	103	198	1920	1100	656	507	123	37	59
12	71	109	64	115	176	1780	1100	616	479	118	36	54
13	68	102	98	112	182	1590	1010	599	458	108	35	51
14	68	105	93	130	176	1460	909	591	437	102	35	60
15	68	102	88	115	231	1310	846	579	410	97	34	74
16	68	104	83	120	596	1250	843	566	381	93	34	68
17	66	100	84	150	913	1150	789	573	358	93	34	71
18	65	75	85	160	1270	1060	742	601	334	92	34	90
19	64	88	86	150	1380	1020	699	666	316	88	33	90
20	73	92	80	140	1090	1040	696	741	293	84	33	107
21	79	90	80	130	844	1070	783	846	274	79	33	124
22	105	76	83	120	975	1080	907	799	256	75	33	100
23	220	61	83	120	2750	1090	1030	733	242	71	35	91
24	275	68	83	120	3570	1230	965	681	225	68	36	100
25	240	105	83	100	2630	1270	928	691	211	66	36	146
26	210	88	82	90	2310	1210	842	751	198	65	35	190
27	185	88	82	97	2090	1220	793	831	185	63	34	221
28	165	100	79	115	1790	1380	757	928	175	61	32	186
29	155	113	79	120	---	1520	728	983	164	59	31	145
30	140	115	84	135	---	1530	680	1020	156	57	31	146
31	130	---	97	215	---	1540	---	1020	---	55	32	---
TOTAL	3282	3051	2844	3824	25525	45910	28697	22688	13901	3086	1150	2599
MEAN	106	102	91.7	123	912	1481	957	732	463	99.5	37.1	86.6
MAX	275	140	127	215	3570	2560	1410	1020	981	163	53	221
MIN	63	61	64	90	155	1020	680	566	156	55	31	32
CFSM	.27	.26	.23	.31	2.29	3.71	2.40	1.83	1.16	.25	.09	.22
IN.	.31	.28	.27	.36	2.38	4.28	2.68	2.12	1.30	.29	.11	.24
AC-FT	6510	6050	5640	7580	50630	91060	56920	45000	27570	6120	2280	5160

CAL YR 1985 TOTAL 79728 MEAN 218 MAX 1470 MIN 28 CFSM .55 IN. 7.43 AC-FT 158100
WTR YR 1986 TOTAL 156557 MEAN 429 MAX 3570 MIN 31 CFSM 1.08 IN. 14.60 AC-FT 310500

13201500 LUCKY PEAK LAKE NEAR BOISE, ID

LOCATION.--Lat 43°31'31", long 116°03'15", in SW¼NW¼ sec. 12, T. 2 N., R.3 E., Ada County, Hydrologic Unit 17050112, at outlet control tower at Lucky Peak Dam on Boise River, 2 mi upstream from diversion dam for New York Canal, 7 mi downstream from Mores Creek, 9 mi southeast of Boise, and at mile 63.6.

DRAINAGE AREA.--2,680 mi^2, approximately.

PERIOD OF RECORD.--October 1954 to current year.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929, at mean sea level (levels by U.S. Army Corps of Engineers). Prior to May 13, 1955, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earthfill dam. Storage began Oct. 16, 1954. Dam completed in February 1955. Capacity, 307,040 acre-ft between elevations 2,827.0 ft, sill of outlet gates, and 3,060.0 ft, spillway crest. Minimum proposed operating level, 2,905.0 ft, 28,770 acre-ft, but all storage can be released. Water is stored for flood control and irrigation of lands in Boise Valley.

COOPERATION.--Gage-height record and capacity table provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 305,130 acre-ft June 25, 1955, elevation, 3,059.32 ft; minimum, since near-full capacity was attained on June 25, 1955, 28,630 acre-ft Dec. 21, 1961, elevation, 2,904.83 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 295,800 acre-ft July 6, elevation, 3,055.98 ft; minimum, 31,300 acre-ft Feb. 16, elevation, 2908.09 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

2,908.0	31,200	2,980.0	125,100
2,920.0	42,200	3,000.0	162,800
2,940.0	64,600	3,020.0	205,600
2,960.0	92,400	3,040.0	253,600
		3,060.0	307,000

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115900	49800	48300	44300	36300	154500	215400	229100	249200	292400	294500	93100
2	111200	49800	48500	44600	35900	158000	215000	226400	252300	292700	293700	93100
3	106500	49700	48600	45000	35700	160200	214800	223800	252400	293700	292700	92400
4	101800	49700	48800	45300	35500	158900	215100	221300	255700	294600	286900	91400
5	97100	49600	48900	45600	35300	158000	215800	218700	265300	294500	278600	90400
6	92400	49600	48900	46000	35100	156800	216400	216000	272800	295400	270400	89500
7	87700	49600	48600	46200	34800	159800	217900	213400	274500	294600	262200	88600
8	83100	49700	48400	46200	34300	163400	219800	210400	273200	293800	254100	87800
9	78500	49800	48100	46100	33700	165200	221500	207500	274500	294000	245900	87500
10	74700	49800	47400	46000	33200	165400	222800	204800	277200	294600	237800	86300
11	71100	49800	46300	45900	32700	164900	225100	201900	279200	294300	229700	85500
12	67900	49400	44800	45800	32400	164700	228200	198600	281200	293400	221600	85300
13	64600	49400	43400	45600	32100	164500	231000	195000	284400	292500	213500	85300
14	61400	49400	42000	45200	31600	167300	233400	191500	287000	292500	205500	85400
15	58900	49300	40600	45000	31400	168900	235500	187700	289300	292600	197500	85600
16	56800	49300	40100	44700	31400	169100	237200	186400	292400	292600	189600	85800
17	54700	49300	39700	44400	35100	171900	238600	187800	293900	293000	181600	85700
18	52600	49300	39900	44200	41400	175100	239500	189100	294100	293700	173700	85300
19	50500	49200	39600	43900	51600	180400	240100	190600	294200	294300	165600	84000
20	48400	49100	39300	43600	58400	187100	240600	193000	294400	294800	157500	82400
21	47600	49000	39000	43400	60400	193500	240600	196800	294600	294700	149500	80800
22	48000	48900	38800	42900	63100	199400	240000	200600	294800	294100	142700	79300
23	48500	48800	41600	42200	76000	205100	240200	204400	294400	293400	134200	77900
24	49000	48700	42000	41400	96100	210800	239600	208200	293500	293200	125600	76800
25	49300	48600	42200	40700	113900	214200	238900	212000	292900	294300	117600	75600
26	49500	48500	42600	40000	129600	214400	238000	216000	293400	294600	109700	74800
27	49700	48300	42900	39300	142800	214500	236900	220200	294400	294400	101800	71800
28	49800	48300	43200	38500	150300	215000	235500	225000	294300	293900	93900	69600
29	49800	48200	43400	37900	---	215800	233600	230300	293700	294300	91200	68300
30	49800	48200	43700	37300	---	216600	231500	236100	293100	295000	91800	67700
31	49800	---	44000	36700	---	216400	---	242400	---	295000	92500	---
MAX	115900	49800	48900	46200	150300	216600	240600	242400	294800	295400	294500	93100
MIN	47600	48200	38800	36700	31400	154500	214800	186400	249200	292400	91200	67700
(†)	2927.38	2925.92	2921.82	2914.25	2993.68	3024.72	3031.06	3035.55	3054.98	3055.69	2960.07	2942.40
(‡)	-70800	-1600	-4200	-7300	113600	66100	15100	10900	50700	1900	-202500	-24800

CAL YR 1985.......(‡) -11500
WTR YR 1986.......(‡) -52900

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13202000 BOISE RIVER NEAR BOISE, ID

LOCATION.--Lat 43°31'40", long 116°03'31", in NE¼ sec. 11, T.2 N., R.3 E., Ada County, Hydrologic Unit 17050112, at gate-control house at outlet works of Lucky Peak Lake, 1.8 mi upstream from diversion dam for New York Canal, 7.5 mi downstream from mouth of Mores Creek, 9 mi southeast of Boise, and at mile 63.6.

DRAINAGE AREA.--2,680 mi^2, approximately. Mean elevation, 5,910 ft.

PERIOD OF RECORD.--January 1895 to September 1916 (no winter records 1904-5, 1907), November 1950 to September 1954 (discharge measurements only), October 1954 to current year. Published as "near Highland" 1905-15 and as "below Moore Creek, near Arrowrock" 1916.

REVISED RECORDS.--WSP 1347: 1895-1901, 1904.

GAGE.--Remote gate-opening recorder and nonrecording gage on each of six slide gates, remote recorder and nonrecording gage on hollow-jet valve, and remote water-stage recorder on Lucky Peak Lake. Elevation of sills of six slide gates, 2,827.0 ft, levels by U.S. Army Corps of Engineers. Prior to Mar. 18, 1905, nonrecording gages at sites about 1 mi downstream at different datums. Mar. 18, 1905, to Mar. 20, 1915, nonrecording gages, and Mar. 21, 1915, to Sept. 30, 1916, water-stage recorders at sites 5 to 7 mi upstream at different datums.

REMARKS.--Records good. Daily discharge computed from relations between discharge, head, and gate openings adjusted on the basis of current-meter measurements. Unadjusted discharges furnished by U.S. Army Corps of Engineers. Flow regulated by Lucky Peak Lake (see sta 13201500), Arrowrock Reservoir (see sta 13194000), and Anderson Ranch Reservoir (see sta 13190000). Diversions above station for irrigation of about 2,300 acres in the basin and about 5,000 acres outside the basin near Mountain Home (1966 determination).

COOPERATION.--Records of gate operation, discharge, stage in Lucky Peak Lake, and gate rating curves provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--32 years (since construction of Lucky Peak Dam, 1955-86), 2,996 ft^3/s, 2,171,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 35,500 ft^3/s June 14, 1896; no flow on several days in 1954, 1955, 1957-59, 1961, 1969, 1974, 1978, 1980, 1982, 1984-86 when gates were closed; maximum discharge since construction of Lucky Peak Dam in 1955, 13,200 ft^3/s June 13-15, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 11,500 ft^3/s June 6-8; no flow Oct. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2510	174	500	300	500	5000	6650	9600	6000	4550	4240	4060
2	2510	174	500	300	500	5000	6650	9760	8170	4500	4280	4040
3	2510	174	500	300	500	5620	6650	9850	10000	4500	4280	4000
4	2510	174	500	300	500	6820	6850	9820	10200	4490	4240	3980
5	2510	174	500	300	500	7460	6950	9870	11000	4480	4190	3930
6	2510	174	873	300	500	7500	6950	9830	11500	4480	4180	3870
7	2510	174	1100	220	500	7500	7080	9800	11500	4480	4180	3850
8	2510	174	1100	174	500	7500	7350	9830	11500	4480	4180	3770
9	2440	174	1220	174	500	7500	7040	9750	10200	4460	4180	3630
10	2100	174	1300	174	500	7500	7580	9700	9500	4450	4180	3350
11	1850	174	1770	174	430	7500	7780	9700	9500	4420	4180	3210
12	1800	38	2000	174	400	7500	7650	9760	9500	4380	4180	3090
13	1800	292	2000	250	400	7500	7850	9830	8830	4370	4180	2980
14	1800	174	2000	300	1340	6920	7850	9850	8500	4340	4170	2950
15	1350	174	2000	208	2000	6500	7980	9850	8500	4300	4160	2880
16	1200	174	1200	300	2000	6500	8050	8530	7830	4280	4160	2820
17	1200	174	800	300	2000	6500	8120	7000	6560	4250	4160	2750
18	1200	174	800	300	3400	6570	8250	7000	5330	4240	4160	2690
19	1200	174	800	300	3930	6650	8300	7000	5000	4220	4160	2640
20	1200	174	800	300	3500	6650	8300	6620	5000	4210	4160	2620
21	331	174	800	300	3500	6650	8600	6000	5000	4210	4160	2620
22	.00	174	800	433	3500	6650	8850	6000	5000	4210	4140	2460
23	.00	174	483	500	3500	6650	8900	6000	4800	4190	4130	2420
24	62	174	300	500	2310	6650	9030	6000	4700	4180	4130	2380
25	174	174	300	500	1500	6650	9200	6000	4630	4180	4120	2320
26	174	178	300	500	1500	6650	9250	6000	4590	4180	4110	2220
27	174	174	300	500	1960	6650	9250	6000	4570	4180	4110	2120
28	174	174	300	500	3920	6650	9420	6000	4550	4180	4100	2120
29	174	378	300	500	---	6650	9570	6000	4540	4180	4090	2120
30	174	500	300	500	---	6650	9600	6000	4550	4180	4090	2060
31	174	---	300	500	---	6650	---	6000	---	4180	4090	---
TOTAL	40831.00	5736	26746	10381	46090	209340	241750	248950	221050	133930	129070	89950
MEAN	1317	191	863	335	1646	6753	8058	8031	7368	4320	4164	2998
MAX	2510	500	2000	500	3930	7500	9600	9870	11500	4550	4280	4060
MIN	.00	38	300	174	400	5000	6650	6000	4540	4180	4090	2060
AC-FT	80990	11380	53050	20590	91420	415200	479500	493800	438500	265700	256000	178400

CAL YR 1985 TOTAL 798677.00 MEAN 2188 MAX 4750 MIN .00 AC-FT 1584000
WTR YR 1986 TOTAL 1403824.00 MEAN 3846 MAX 11500 MIN .00 AC-FT 2784000

13205633 CRANE CREEK AT 1206 RANCH ROAD AT BOISE, ID

LOCATION.--Lat 43°38'48", long 116°12'01", in NW¼NW¼NE¼ sec. 34, T. 4 N., R. 2 E., Ada County, Hydrologic Unit 17050114, at private driveway crossing at 1206 Ranch Road, Highlands subdivision, 1.8 mi northwest of Federal Building, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--7.2 mi^2.

PERIOD OF RECORD.--October 1979 to May 1982, 1983 (operated as crest-stage gage), October to December 1983 (discharge measurements only), January 1984 to current year.

GAGE.--Nonrecording gage, staff and crest-stage gage. Datum of gage 2,790 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 4, 10, 13, 26, Nov. 2, 16, 23, 28, 30, Dec. 1, 4, 5, 9, 11, 14, 25, 26, Jan. 12, Feb. 8-10, 17, Mar. 19, 27, Apr. 1, 7, 8, 15, 17, 22, 24, May 2, 8, 15, 19, 26, June 4, 10, 14, 15, 18, 20, 22, 30, July 3, 5, 7, 12, 13, 16, 18, 21, 24, 26, 29, 31, Aug. 2, 4, 6, 9, 11, 14, 17, 20, 23, 24, 29, Sept. 1, 4, 6, 11, 13, 15, 17, 20, 22, 25, 28. Records poor. Ponds upstream may affect extremes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88 ft^3/s Feb. 23, 1986, gage height, 6.36 ft; minimum daily, 0.13 ft^3/s June 27-30, Aug. 3, 27-30, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83 ft^3/s Feb. 23, gage height, 6.36 ft; minimum daily, 0.13 ft^3/s June 27-30, Aug. 3, 27-30.

REVISIONS.--The minimum daily discharges for water year 1985 have been revised to 0.38 ft^3/s Oct. 2-13, 16, 17, 27-30. Revised daily discharges, in cubic feet per second, for October, November, and December are given below. These figures supersede those published in the report for 1985.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

1.5	.08	1.8	1.8	3.0	16
1.6	.44	2.0	3.6	4.0	33
1.7	1.0	2.5	9.5	5.0	53
				5.7	68

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985 (Revised)
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.49	.44	1.2									
2	.38	.44	.84									
3	.38	.55	.90									
4	.38	.44	.84									
5	.38	.44	.84									
6	.38	.55	.72									
7	.38	.44	.72									
8	.38	.44	.78									
9	.38	.84	.84									
10	.38	9.7	2.7									
11	.38	1.0	.97									
12	.38	1.6	.97									
13	.38	2.5	.97									
14	.60	1.6	.97									
15	.49	1.0	.97									
16	.38	.90	.90									
17	.38	.97	.90									
18	.49	2.7	.78									
19	.60	1.0	.66									
20	.60	.97	.78									
21	.44	1.0	.78									
22	.55	1.1	.78									
23	.55	1.2	1.0									
24	.55	4.9	.90									
25	.49	1.0	.84									
26	.49	.90	.72									
27	.38	1.0	.72									
28	.38	1.2	.72									
29	.38	1.4	.84									
30	.38	1.6	1.7									
31	.44	---	.72									
TOTAL	13.62	43.82	28.97									
MEAN	.44	1.46	.93									
MAX	.60	9.7	2.7									
MIN	.38	.44	.66									
AC-FT	27	87	57									

WTR YR 1985 TOTAL 429.22 MEAN 1.18 MAX 9.7 MIN .38 AC-FT 851

13205633 CRANE CREEK AT 1206 RANCH ROAD AT BOISE, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	.60	.84	.72	3.2	15	4.9	2.1	.72	.18	.18	.18
2	.66	.60	2.3	.78	3.5	15	4.8	2.0	.60	.29	.18	.18
3	.72	.66	.97	.78	3.2	12	4.6	1.9	1.4	.32	.13	.21
4	.72	.66	1.0	.72	3.4	11	3.8	3.7	1.2	.35	.21	.18
5	.78	.72	1.0	.66	4.5	10	3.5	2.4	1.0	.32	.25	.18
6	.49	.72	1.0	.72	3.9	9.2	3.5	3.0	.90	.25	.21	.18
7	.84	.84	1.0	.72	3.8	9.0	3.5	2.7	2.2	.25	.21	.18
8	.72	.72	1.1	.78	3.8	23	3.2	2.8	.84	.25	.21	2.0
9	.66	.66	1.1	.72	3.8	11	3.2	3.0	.72	.29	.21	.29
10	.72	.66	1.1	.72	3.6	12	3.2	3.1	.66	.29	.21	.29
11	.78	.78	1.0	.84	3.6	11	3.3	3.2	.60	.29	.21	.25
12	.72	.66	.97	.84	3.5	13	3.2	2.7	.55	.29	.21	.21
13	.66	.66	.97	.78	9.9	16	3.0	2.6	.49	.25	.21	.21
14	.60	.66	.90	.78	8.4	13	2.8	2.5	.49	.25	.21	.21
15	.72	.66	.90	.84	8.8	13	2.6	2.5	.41	.25	.21	.21
16	.72	.78	.90	3.9	9.7	16	2.6	2.5	.41	.25	.25	.21
17	.60	.90	.78	6.8	19	12	2.4	2.5	.38	.25	.21	.25
18	.97	.84	.78	5.4	31	12	2.4	2.4	.38	.25	.21	.25
19	.72	.84	.66	5.4	38	10	2.3	2.4	.38	.25	.21	.21
20	.66	.90	.66	5.0	28	9.1	2.1	2.3	.35	.25	.21	.25
21	.99	.84	.72	3.6	22	9.2	2.0	2.3	.29	.25	.18	.29
22	2.3	.84	.72	3.0	38	9.0	1.9	2.3	.29	.21	.18	.29
23	.78	.84	.66	2.8	66	8.2	1.9	2.4	.29	.21	.18	.29
24	.66	.78	.66	2.3	57	8.6	2.5	1.8	.29	.21	.21	1.1
25	.66	.72	.66	1.9	27	8.3	3.1	1.7	.25	.25	.21	1.2
26	.66	.72	.60	2.0	23	8.2	3.3	1.5	.18	.25	.18	1.3
27	.66	.72	.60	2.0	18	7.2	2.4	1.5	.13	.25	.13	1.4
28	.66	.72	.60	2.0	15	6.2	2.4	1.5	.13	.25	.13	.41
29	.72	.78	.60	1.9	---	6.0	2.5	1.3	.13	.25	.13	.35
30	.66	.78	.60	2.1	---	5.7	2.2	1.1	.13	.25	.13	.35
31	.60	---	.72	2.6	---	5.2	---	1.3	---	.21	.18	---
TOTAL	23.47	22.26	27.07	64.10	462.6	334.1	89.1	71.0	16.79	7.96	5.98	13.11
MEAN	.76	.74	.87	2.07	16.5	10.8	2.97	2.29	.56	.26	.19	.44
MAX	2.3	.90	2.3	6.8	66	23	4.9	3.7	2.2	.35	.25	2.0
MIN	.49	.60	.60	.66	3.2	5.2	1.9	1.1	.13	.18	.13	.18
AC-FT	47	44	54	127	918	663	177	141	33	16	12	26

CAL YR 1985 TOTAL 415.61 MEAN 1.14 MAX 8.4 MIN .41 AC-FT 824
WTR YR 1986 TOTAL 1137.54 MEAN 3.12 MAX 66 MIN .13 AC-FT 2260

13205995 DIVERSIONS FROM BOISE RIVER BETWEEN NEAR BOISE AND AT GLENWOOD BRIDGE GAGING STATIONS, ID

Between "near Boise" and "at Glenwood Bridge" gaging stations (published as "between Dowling Ranch and at Boise gaging stations" prior to 1955 water year, and as "between near Boise and at Boise gaging stations", 1955-82), ten canals and several small farm laterals divert water from Boise River for irrigation.

Records of total diversion during April to September for each canal for years 1919-46, combined daily diversion covering period April to September for years 1947-67, combined daily diversions for water years 1968-75, and daily flow of New York Canal, February 1939 to October 1948, are published in reports of Geological Survey. Records of daily diversion for each canal from 1916-86 are on file in office of the Idaho Department of Water Resources. Prior to October 1967, there was no record of October to March diversions, except for New York Canal.

Records show summation of discharge for the recorded diversions. Staff gages on canals are read daily or several times weekly, and discharge measurements are made weekly. Records provided by watermaster for Boise River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2350				---	760	---	3030	3620	3760	3640	3510
2	2340				---	760	---	3100	3640	3780	3650	3490
3	2300				---	820	---	3160	3660	3760	3660	3480
4	2300				---	880	300	3170	3670	3740	3670	3480
5	2300				---	880	300	3250	3750	3740	3630	3470
6	2300				---	880	300	3320	3680	3740	3620	3410
7	2300				---	940	500	3320	3680	3800	3670	3370
8	2300				---	940	797	3290	3680	3760	3690	3250
9	2260				---	940	795	3060	3670	3770	3690	3070
10	2190				---	940	900	3050	3630	3770	3690	2830
11	1690				---	940	1060	3220	3660	3730	3690	2770
12	1640				---	940	1100	3190	3660	3720	3690	2570
13	1640				---	400	1100	3250	3690	3720	3700	2440
14	1610				---	---	1220	3250	3720	3700	3680	2360
15	1190				---	---	1310	3280	3720	3710	3660	2410
16	1020				---	---	1320	3360	3730	3730	3670	2380
17	1020				---	---	1420	3400	3770	3740	3670	2390
18	1020				---	---	1600	3400	3760	3760	3670	2430
19	1020				---	---	1680	3560	3720	3760	3670	2470
20	1010				---	---	1680	3650	3770	3760	3660	2370
21	178				---	---	1880	3680	3760	3740	3700	2320
22	---				---	---	2040	3680	3760	3730	3730	2240
23	---				---	---	2220	3660	3770	3720	3680	2190
24	---				300	---	2400	3400	3740	3740	3690	2070
25	---				500	---	2560	3390	3770	3740	3660	2020
26	---				700	---	2590	3530	3490	3740	3650	1950
27	---				700	---	2680	3480	3660	3740	3660	1900
28	---				760	---	2850	3570	3760	3740	3610	1880
29	---				---	---	2970	3620	3760	3760	3550	1870
30	---				---	---	3060	3610	3750	3740	3560	1790
31	---				---	---	---	3620	---	3430	3550	---
TOTAL	---				---	---	---	104550	111100	115770	113410	78180
MEAN	---				---	---	---	3373	3703	3735	3658	2606
MAX	---				---	---	---	3680	3770	3800	3730	3510
MIN	---				---	---	---	3030	3490	3430	3550	1790
AC-FT	---				---	---	---	207400	220400	229600	224900	155100

13206000 BOISE RIVER AT GLENWOOD BRIDGE NEAR BOISE, ID

LOCATION.--Lat 43°39'37", long 116°16'41", in SW¼NE¼NE¼ sec.25, T.4 N., R.1 E., Ada County, Hydrologic Unit 17050114, on left bank 175 ft upstream from Glenwood Bridge, and 4.4 mi northwest of Boise.

DRAINAGE AREA.--2,800 mi^2, approximately.

PERIOD OF RECORD.--April 1938 to September 1940 (published as "at Strawberry Glen Bridge near Boise"), March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,600.00 ft above National Geodetic Vertical Datum of 1929. April 1938 to September 1940, 0.30 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 25-30. Records good. Flow regulated by Anderson Ranch Reservoir (see sta 13190000), Arrowrock Reservoir (see sta 13194000), and Lucky Peak Lake (see sta 13201500). The New York, Ridenbaugh, and eight small canals (see sta 13205995) divert between station near Boise (see sta 13202000) and this station. Diversion above station for about 5,000 acres are outside the basin near Mountain Home.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 12,000 ft^3/s May 2, 1938; minimum observed, 19 ft^3/s Dec. 3, 1939. Extremes since completion of Lucky Peak Dam; maximum discharge, 9,840 ft^3/s June 13, 1983, gage height 11.54 ft; minimum, 42 ft^3/s Oct. 26, 1983; minimum gage height 4.55 ft Oct. 18, 19, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 20, 1943, reached a discharge of about 21,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,030 ft^3/s June 7, gage height, 10.61 ft; minimum, 109 ft^3/s Oct. 22, gage height 4.51 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 25-30)

4.6	124	6.0	630	8.0	2710
5.0	205	6.5	1020	9.0	4320
5.5	355	7.0	1520	11.0	9000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	357	202	541	336	554	4350	6640	6640	2460	1000	707	726
2	349	200	573	315	557	4380	6670	6750	3840	966	776	731
3	363	198	584	308	552	4700	6670	6900	6220	941	768	680
4	365	198	567	305	541	5620	6650	6890	6300	957	765	645
5	373	199	580	307	555	6520	6770	6860	7020	965	721	630
6	388	197	828	306	549	6580	6780	6880	7880	955	760	630
7	410	204	1190	273	548	6600	6760	6770	7950	948	733	635
8	419	200	1200	195	544	6700	6730	6850	7960	867	709	702
9	409	202	1250	187	537	6670	6750	3960	7150	922	712	733
10	463	196	1400	186	532	6670	6720	6830	5920	917	710	666
11	408	200	1640	185	498	6640	6720	6790	5860	926	712	597
12	324	203	2030	187	428	6640	6820	6800	5840	898	698	547
13	307	358	2040	217	478	6620	6830	6840	5300	880	703	525
14	320	200	2010	293	708	6650	6750	6780	4760	862	691	536
15	382	197	2000	218	2010	6550	6730	6730	4760	819	645	528
16	312	198	1570	412	2040	6650	6850	6960	4310	794	636	472
17	314	202	870	427	2110	6590	6760	3810	3170	760	642	406
18	309	195	847	365	3250	6550	6720	3780	1990	733	656	323
19	271	194	857	363	4350	6670	6710	3730	1500	729	671	292
20	259	195	841	352	3800	6680	6690	3450	1430	709	693	287
21	230	194	839	345	3710	6640	6720	2520	1470	707	705	275
22	139	193	855	411	3750	6660	6860	2500	1460	721	685	269
23	156	193	690	539	4010	6690	6860	2510	1350	714	674	278
24	323	193	333	540	3100	6650	6840	2750	1140	700	689	330
25	257	192	335	546	1530	6560	6820	2720	1140	694	706	332
26	208	190	335	545	1240	6540	6800	2640	1230	694	714	374
27	205	192	335	537	1320	6530	6740	2540	1060	684	721	313
28	200	193	335	537	2890	6550	6740	2490	1010	688	723	278
29	202	281	335	533	---	6550	6780	2470	1010	700	731	271
30	202	546	335	531	---	6570	6700	2460	1020	709	683	310
31	199	---	322	549	---	6580	---	2440	---	797	730	---
TOTAL	9424	6505	28447	11350	46691	197550	202580	151030	113510	25356	21889	14321
MEAN	304	217	918	366	1668	6373	6753	4872	3784	818	706	477
MAX	463	546	2040	549	4350	6700	6860	6960	7960	1000	788	733
MIN	139	190	322	185	428	4350	6640	2440	1010	684	636	269
AC-FT	18690	12900	56420	22510	92610	391800	401800	299600	225100	50290	43420	28410

CAL YR 1985 TOTAL 235919 MEAN 646 MAX 2040 MIN 139 AC-FT 467900
WTR YR 1986 TOTAL 828653 MEAN 2270 MAX 7960 MIN 139 AC-FT 1644000

13210050 BOISE RIVER NEAR MIDDLETON, ID

LOCATION.--Lat 43°41'06", long 116°34'22", in SE¼SE¼SE¼NE¼ sec.16, T.4 N., R.2 W., Canyon County, Hydrologic Unit 17050114, on right bank 2.9 mi southeast of Middleton, and at mile 29.1.

DRAINAGE AREA.--3,050 mi^2, approximately.

PERIOD OF RECORD.--December 1974 to current year (low-flow periods only).

GAGE.--Water-stage recorder. Datum of gage is 2,410 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 24, 27, Dec. 25, 27, 29, 30. Records fair. Natural flow of stream affected by regulation of Lucky Peak Lake (see sta 13201500) and other upstream storage reservoirs, diversions above station for irrigation of about 296,000 acres, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Minimum discharge, 38 ft^3/s Sept. 4, 1977, gage height, 3.66 ft.

EXTREMES FOR CURRENT YEAR.--Minimum discharge, 114 ft^3/s Aug. 15, gage height, 5.24 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	317	593	584	672				---	275	166	269
2	205	322	619	536	674				---	264	208	284
3	202	311	661	510	672				---	249	209	282
4	212	306	648	481	654				---	264	209	245
5	227	307	638	448	671				---	291	181	239
6	245	306	---	404	660				---	277	196	228
7	253	310	---	383	642				---	277	177	235
8	267	320	---	290	635				---	250	149	248
9	266	313	---	276	621				---	244	150	366
10	293	304	---	274	627				---	250	139	320
11	310	302	---	268	616				---	263	139	284
12	237	299	---	264	538				---	253	133	268
13	213	419	---	263	---				---	247	132	259
14	205	313	---	382	---				---	258	139	252
15	373	298	---	287	---				---	235	122	266
16	423	308	---	444	---				---	208	122	235
17	401	310	---	561	---				---	191	128	216
18	410	304	---	519	---				---	177	135	180
19	382	294	---	502	---				---	173	140	164
20	347	299	---	489	---				---	165	151	150
21	342	295	---	463	---				---	153	176	150
22	264	298	---	462	---				---	141	190	145
23	281	290	---	612	---				---	151	196	142
24	280	290	620	621	---				463	136	191	165
25	482	295	552	615	---				436	130	204	205
26	356	294	587	611	---				470	133	219	241
27	334	297	582	604	---				368	122	227	237
28	325	300	552	612	---				302	130	232	187
29	320	300	556	610	---				288	133	252	171
30	318	553	537	619	---				295	147	231	202
31	315	---	585	656	---				---	200	256	---
TOTAL	9298	9474	---	14650	---				---	6387	5499	6835
ME[illegible]	300	316	---	473	---				---	206	177	228
MAX	482	553	---	656	---				---	291	256	366
MIN	202	290	---	263	---				---	122	122	142
AC-FT	18440	18790	---	29060	---				---	12670	10910	13560

13211309 INDIAN CREEK ABOVE WASTE WATER PLANT, NEAR NAMPA, ID

LOCATION.--Lat 43°35'50", long 116°34'42", NW¼NE¼SW¼ sec. 16, T.3 N., R.2 W., Canyon County, Hydrologic Unit 17050114, on left bank at Nampa Waste Water Plant.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Nonrecording gage, staff and crest-stage gage. Elevation of gage is 2,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Twice daily readings by employees of Nampa Waste Water Plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 174 ft^3/s Apr. 12, 1986, gage height, 2.52 ft; maximum gage height, 3.16 ft Sept. 10, 1985; minimum daily, 25 ft^3/s Feb. 11, 23, Feb. 27 to Mar. 1, 1985, minimum gage height observed, 1.00 ft Feb. 3-7, 9, 12, 1983, and Mar. 18, 19, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 174 ft^3/s Apr. 12, gage height, 2.52 ft; maximum gage height observed, 2.79 ft, Oct. 1; minimum daily, 30 ft^3/s Dec. 30, 31, Jan. 1; minimum gage height observed, 1.00 ft, Mar. 18, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	39	34	30	38	38	38	68	67	44	46	53
2	72	38	34	31	37	37	38	61	66	44	44	54
3	72	38	34	31	37	37	37	62	56	48	45	54
4	70	38	34	31	36	36	38	71	60	58	44	54
5	72	38	34	30	37	38	38	70	56	65	45	56
6	72	38	33	30	37	37	37	80	59	64	43	56
7	76	38	34	32	35	37	38	78	60	64	42	56
8	72	38	34	31	35	44	38	85	66	63	45	62
9	72	37	34	30	36	38	39	87	68	66	44	82
10	77	36	34	31	36	38	92	86	55	80	53	70
11	74	36	33	31	35	38	132	82	53	81	54	81
12	74	35	33	31	35	37	174	82	47	58	53	77
13	70	35	33	31	40	37	128	81	46	63	44	83
14	66	35	33	31	35	36	112	81	46	60	44	78
15	71	35	32	32	36	36	66	83	49	57	44	79
16	58	35	32	33	35	38	79	80	50	56	44	74
17	49	36	32	35	35	37	74	80	49	56	47	69
18	46	36	31	35	38	34	76	79	50	61	47	69
19	45	35	31	36	41	34	70	79	49	56	46	68
20	46	36	32	35	38	35	68	78	52	56	47	73
21	46	36	31	34	38	35	66	80	52	57	48	72
22	46	36	32	35	38	35	68	81	52	56	49	69
23	45	35	31	35	38	36	68	80	51	56	52	57
24	42	35	32	36	38	36	66	78	49	49	53	60
25	42	35	32	35	37	36	67	75	46	48	51	67
26	42	34	31	36	39	36	67	83	43	48	51	75
27	40	34	30	36	38	36	68	79	42	58	48	84
28	40	35	31	37	38	37	70	78	45	55	49	76
29	40	35	31	38	---	37	82	72	45	51	46	77
30	39	34	30	38	---	37	64	73	44	46	50	84
31	39	---	30	45	---	37	---	63	---	46	50	---
TOTAL	1788	1081	1002	1042	1036	1140	2078	2395	1573	1770	1468	2069
MEAN	57.7	36.0	32.3	33.6	37.0	36.8	69.3	77.3	52.4	57.1	47.4	69.0
MAX	77	39	34	45	41	44	174	87	68	81	54	84
MIN	39	34	30	30	35	34	37	61	42	44	42	53
AC-FT	3550	2140	1990	2070	2050	2260	4120	4750	3120	3510	2910	4100

CAL YR 1985	TOTAL	17183	MEAN	47.1	MAX	112	MIN	25	AC-FT	34080
WTR YR 1986	TOTAL	18442	MEAN	50.5	MAX	174	MIN	30	AC-FT	36580

13212996 DIVERSIONS FROM BOISE RIVER BETWEEN AT GLENWOOD BRIDGE AND NEAR PARMA GAGING STATIONS, ID

Between at Glenwood Bridge and near Parma gaging stations (published as "between at Boise and Notus gaging stations" prior to 1974, and "between at Boise and near Parma gaging stations," 1974-82), 23 canals and several small farm laterals divert water from Boise River for irrigation.

Records of daily diversions for each canal for 1916-86 are on file in office of the Idaho Department of Water Resources. Prior to October 1967, no record available of diversions that are usually made during October and March.

Records show summation of discharge for the recorded diversions. Staff gages on diversions are read daily or several times weekly, and discharge measurements are made weekly. Records provided by watermaster for Boise River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794						.80	1540	1910	1850	1720	1580
2	805						.80	1550	1910	1880	1730	1550
3	800						.80	1590	1950	1860	1740	1490
4	805						.80	1610	1960	1890	1720	1490
5	799						.80	1640	1970	1880	1730	1490
6	805						149	1630	2030	1870	1710	1480
7	808						245	1720	2040	1870	1720	1480
8	819						266	1230	2050	1860	1740	1480
9	791						436	1240	2010	1890	1760	1460
10	797						378	1220	1950	1900	1770	1400
11	787						446	1670	1970	1890	1800	1400
12	787						471	1640	1940	1860	1770	1390
13	787						466	1640	1980	1840	1770	1370
14	786						514	1620	2010	1790	1770	1370
15	766						768	1620	2020	1800	1740	1350
16	---						807	1640	2020	1840	1730	1340
17	---						828	1650	2000	1840	1750	1380
18	---						896	1700	1880	1810	1740	1370
19	---						953	1730	1930	1810	1740	1340
20	---						792	1760	1940	1770	1760	1320
21	---						1190	1700	1940	1780	1760	1280
22	---						1390	1720	1940	1750	1710	1240
23	---						1420	1710	1920	1730	1700	1190
24	---						1430	1700	1900	1720	1680	1030
25	---						1460	1700	1840	1780	1640	1020
26	---						1460	1680	1810	1790	1610	1030
27	---						1510	1690	1830	1790	1630	1030
28	---						1520	1800	1860	1790	1630	1020
29	---						1510	1820	1860	1750	1610	1010
30	---						1520	1890	1750	1710	1610	990
31	---						---	1900	---	1700	1600	---
TOTAL	---						22829.00	50950	58120	56290	53090	39370
MEAN	---						761	1644	1937	1816	1713	1312
MAX	---						1520	1900	2050	1900	1800	1580
MIN	---						.80	1220	1750	1700	1600	990
AC-FT	---						45280	101100	115300	111700	105300	78090

13213000 BOISE RIVER NEAR PARMA, ID

LOCATION.--Lat 43°46'54", long 116°58'17", in NE¼SE¼SE¼ sec.7, T.5 N., R.5 W., Canyon County, Hydrologic Unit 17050114, on left bank at county road crossing, 1.2 mi west of Parma, and at mile 3.8.

DRAINAGE AREA.--3,970 mi^2, approximately.

PERIOD OF RECORD.--March 1938 to June 1939 (gage heights only), September 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,196.49 ft above National Geodetic Vertical Datum of 1929. March 1938 to June 1939, nonrecording gage 1.4 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 23-31. Records good.

AVERAGE DISCHARGE.--15 years, 2,007 ft^3/s, 1,454,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,240 ft^3/s June 14, 1983, gage height, 13.83 ft; minimum, 93 ft^3/s Apr. 29, 1977, gage height, 6.16 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 20, 1943, reached a discharge of about 20,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,800 ft^3/s Mar. 17, gage height, 13.18 ft; minimum, 665 ft^3/s Aug. 8, gage height, 7.68 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 23-31)

7.5	563	10.0	2720
8.0	368	11.0	4010
9.0	1670	13.3	7900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	1040	1200	989	1540	4730	7330	6640	2460	932	867	1210
2	1140	1040	1250	978	1580	5370	7390	6530	2510	900	858	1210
3	1100	1010	1300	993	1620	5390	7310	6540	4790	881	877	1160
4	1090	1000	1300	971	1490	5850	7300	6750	5870	963	838	1090
5	1080	1000	1270	983	1500	6670	7270	6880	6150	1230	762	1060
6	1100	989	1250	982	1510	7180	7300	7010	6990	1250	733	1050
7	1180	989	1660	952	1460	7270	7250	7030	7520	1250	702	1080
8	1240	1010	1880	895	1430	7480	7160	6990	7520	1110	675	1170
9	1280	998	1870	847	1390	7670	7210	7050	7500	941	709	1740
10	1300	982	1980	813	1390	7500	7110	7000	6640	1050	734	1660
11	1270	970	2020	811	1410	7500	7040	6960	5850	1140	749	1570
12	1110	956	2500	806	1350	7480	7130	6960	5820	1150	703	1530
13	1030	999	2710	799	1500	7520	7210	6890	5690	1140	692	1450
14	1010	1020	2700	806	1620	7470	7130	6830	5010	1160	696	1390
15	1220	943	2830	852	2600	7450	6960	6740	4790	1030	704	1370
16	1340	955	2800	912	3430	7550	7000	6620	4610	969	689	1260
17	1140	973	2030	1230	3440	7720	6990	5270	4110	1040	721	1260
18	1100	960	1680	1320	4180	7480	6860	4130	2890	1030	793	1270
19	1210	925	1630	1310	5590	7470	6820	4000	1850	977	729	1340
20	1170	933	1600	1270	6170	7540	6770	3830	1630	940	745	1400
21	1160	930	1620	1210	5240	7520	6660	3380	1550	902	851	1460
22	1180	920	1600	1120	5110	7510	6490	3040	1590	820	918	1410
23	1160	895	1610	1240	5590	7530	6500	3030	1640	743	1000	1380
24	1090	903	1420	1310	5900	7550	6440	3180	1320	739	1060	1490
25	1230	923	1060	1270	4020	7510	6470	3250	1160	749	1070	1630
26	1170	891	1050	1250	2990	7440	6550	3160	1080	905	1020	1710
27	1120	896	1050	1230	2610	7410	6560	2960	945	940	996	1680
28	1100	917	1050	1230	3030	7390	6690	2790	854	943	1000	1540
29	1070	928	1050	1240	---	7390	6670	2680	895	841	1040	1470
30	1070	1040	1050	1270	---	7360	6680	2540	920	741	1080	1550
31	1050	---	1050	1420	---	7320	---	2480	---	762	1130	---
TOTAL	35610	28935	51070	33309	80690	222220	208250	159140	112354	30168	26141	41590
MEAN	1149	965	1647	1074	2882	7168	6942	5134	3745	973	843	1386
MAX	1340	1040	2830	1420	6170	7720	7390	7050	7520	1250	1130	1740
MIN	1010	891	1050	799	1350	4730	6440	2480	854	739	675	1050
AC-FT	70630	57390	101300	66070	160000	440800	413100	315700	222900	59840	51850	82490

CAL YR 1985 TOTAL 368806 MEAN 1010 MAX 2830 MIN 266 AC-FT 731500
WTR YR 1986 TOTAL 1029477 MEAN 2820 MAX 7720 MIN 675 AC-FT 2042000

13213100 SNAKE RIVER AT NYSSA, OR

LOCATION.--Lat 43°52'36", long 116°59'02", in NW¼SW¼NW¼ sec.33, T.19 S., R.47 E., Malheur County, Hydrologic Unit 17050115, on left bank 300 ft upstream from U.S. Highway 20-26 bridge at Nyssa, 2.3 mi downstream from Boise River, and at mile 385.2.

DRAINAGE AREA.--58,700 mi^2, approximately.

PERIOD OF RECORD.--November 1974 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 2,170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by many reservoirs above station.

AVERAGE DISCHARGE.--11 years, 16,270 ft^3/s, 11,788,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,900 ft^3/s Apr. 19, 1984, gage height, 13.34 ft; minimum, 4,330 ft^3/s July 1, 1977, gage height, 4.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52,100 ft^3/s Feb. 25, gage height, 12.49 ft; minimum, 7,080 ft^3/s July 19, gage height, 4.66 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

4.9	7980	8.0	23700
6.0	13300	10.0	35800
		13.0	55600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12600	11800	17200	18000	17300	40500	42400	33800	25500	11900	9220	10600
2	13000	12100	17100	15900	17700	40300	41400	32400	24600	10500	8070	11400
3	12800	12200	17400	16000	17600	38900	43600	32500	25400	10700	8070	11200
4	12500	12100	17300	15000	16500	38400	43700	32900	27600	9750	8450	11400
5	12400	12000	16000	14400	16000	37600	43100	33600	27900	10600	8780	11000
6	12000	12400	14300	14900	15800	37600	42500	33600	27400	11100	8640	11200
7	12000	14200	14500	14800	14700	38400	42200	34300	28700	10900	8880	11500
8	12400	12900	12100	14500	14300	38600	41200	35000	30100	11600	8880	12000
9	12600	13400	11500	14800	14000	40900	41400	34600	30200	11000	8830	12900
10	13000	12200	14200	14700	13900	45600	36700	36900	30600	10900	9120	13100
11	12800	12500	13900	14400	13400	47900	34300	37200	29700	9810	9170	12900
12	12800	12800	13900	14300	15000	47000	34200	37600	30700	8940	8880	12900
13	13000	12100	13000	14100	14800	46800	35600	37800	31300	9040	9070	12800
14	12500	13000	13600	14200	15500	46700	35900	37100	30100	8900	9120	13400
15	12700	13400	13000	14300	18200	46200	35800	36900	28400	8540	8310	13200
16	13100	11300	13800	14400	19800	45200	38100	35100	29200	8930	9220	12900
17	13800	12600	14800	16700	20400	44400	39500	33400	28500	9600	9310	12900
18	13300	16000	15300	17200	27100	37300	39300	32300	28200	9460	9310	13500
19	13000	14500	13800	17800	33800	33100	38400	31800	25800	8120	9650	13400
20	12300	14200	12900	16500	46300	28700	38700	31100	24000	8640	9120	13600
21	12400	13700	13800	15900	51400	27200	37800	30400	23600	8780	10100	13500
22	12400	12100	14500	16400	45900	27000	35500	29500	23900	9070	10700	13800
23	12200	12900	15100	15900	39000	33700	34900	26600	24100	8170	10700	13900
24	12200	13200	15200	14400	44000	40300	34400	24700	23700	8540	10000	14100
25	12300	13000	15300	14300	51300	41500	30800	24200	23700	8500	9700	14500
26	12400	12600	14500	15200	49100	42000	30200	26100	22000	8500	9840	14500
27	12700	13200	14600	14700	43700	41500	33400	26700	18600	8830	10500	16000
28	12700	13700	15700	14900	40800	41700	32700	26700	16800	9650	10700	15600
29	12500	13500	16000	15000	---	41400	33000	26900	14200	9600	10200	16800
30	12400	14800	15800	14500	---	41900	34200	26300	12900	9460	10600	17900
31	12000	---	17200	15200	---	41900	---	25000	---	9170	10700	---
TOTAL	390800	390400	457300	473300	747300	1240200	1124900	983000	767400	297200	291840	398400
MEAN	12610	13010	14750	15270	26690	40010	37500	31710	25580	9587	9414	13280
MAX	13800	16000	17400	18000	51400	47900	43700	37800	31300	11900	10700	17900
MIN	12000	11300	11500	14100	13400	27000	30200	24200	12900	8120	8070	10600
AC-FT	775200	774400	907100	938800	1482000	2460000	2231000	1950000	1522000	589500	578900	790200

CAL YR 1985	TOTAL	5425570	MEAN	14860	MAX	29800	MIN	5850	AC-FT	10762000
WTR YR 1986	TOTAL	7562040	MEAN	20720	MAX	51400	MIN	8070	AC-FT	14999000

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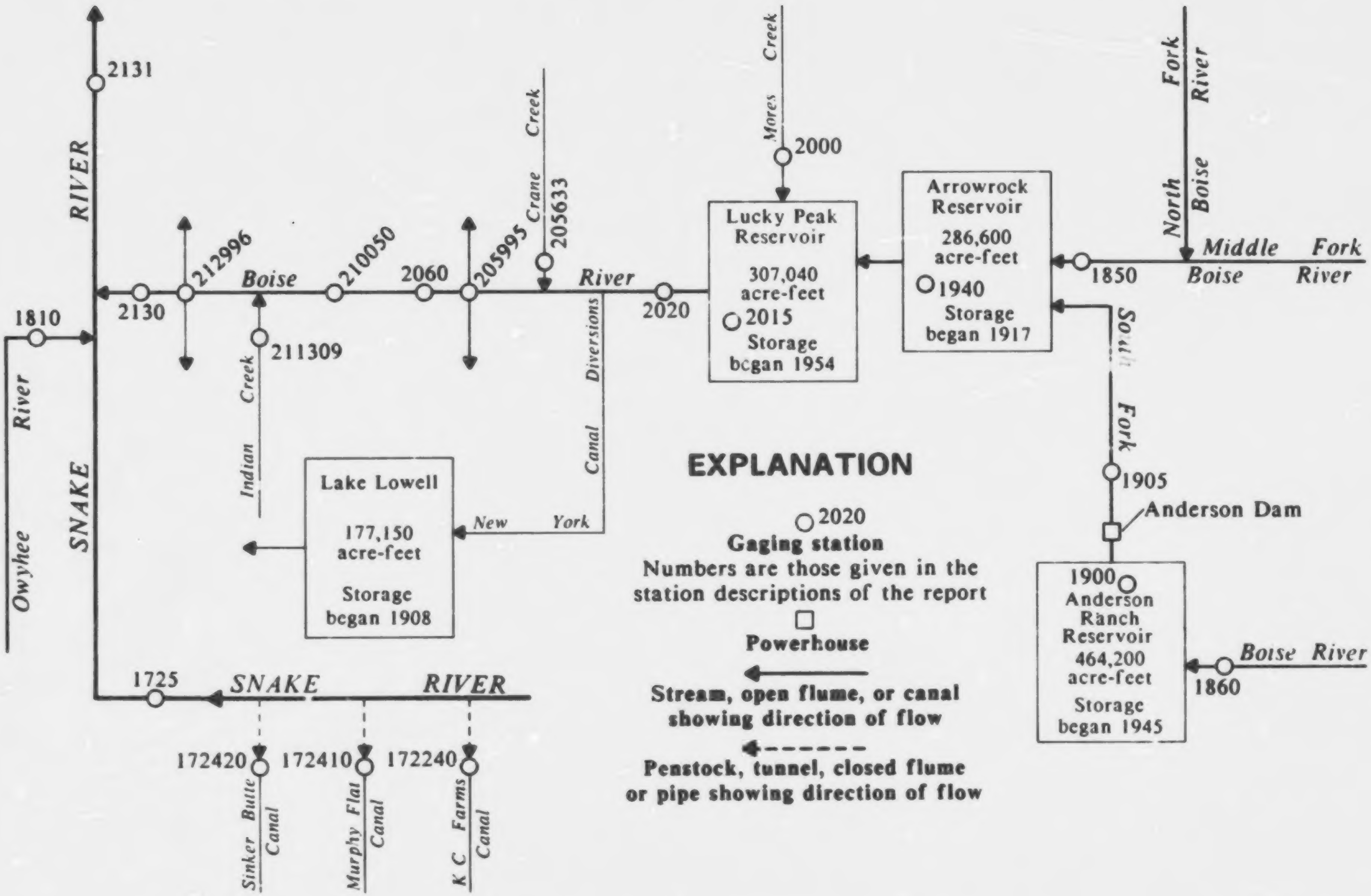
2131
RIVER
SNAKE
1810
Owyhee River
2130
212996
Boise
210050
2060
205995
Crane Creek
205633
River
2020
211309
Indian Creek
Canal Diversions
New York
Lake Lowell
177,150 acre-feet
Storage began 1908
Mores Creek
2000
Lucky Peak Reservoir
307,040 acre-feet
2015
Storage began 1954
Arrowrock Reservoir
286,600 acre-feet
1940
Storage began 1917
1850
North Fork Boise River
Middle Fork Boise River
South Fork
1905
Anderson Dam
1900
Anderson Ranch Reservoir
464,200 acre-feet
Storage began 1945
1860
Boise River
1725
SNAKE RIVER
172420
172410
172240
Sinker Butte Canal
Murphy Flat Canal
K C Farms Canal
EXPLANATION
2020
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 23.--Gaging stations in Boise River basin.

13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID

LOCATION.--Lat 44°05'07", long 115°37'16", in SE¼NW¼SW¼ sec.27, T.9 N., R.7 E., Boise County, Hydrologic Unit 17040120, Boise National Forest, on right bank 1,200 ft upstream from Rock Creek, 0.5 mi northwest of Lowman, 4,100 ft downstream from Clear Creek, and at mile 106.

DRAINAGE AREA.--456 mi^2. Mean elevation, 6,780 ft.

PERIOD OF RECORD.--May 1941 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,790 ft above National Geodetic Vertical Datum of 1929, from river-profile map. Prior to Dec. 18, 1941, nonrecording gage at site 900 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 13 to Jan. 13, June 5-9. Records good except for estimated daily discharges, which are fair. No regulation. Return flow from several small irrigations diversions enters river above station.

AVERAGE DISCHARGE.--45 years, 896 ft^3/s, 26.68 in./yr, 649,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,980 ft^3/s June 16, 1974, gage height, 8.36 ft, from floodmark; minimum, 135 ft^3/s Sept. 10, 1966, Jan. 1-2, 1978; minimum gage height, 2.22 ft Sept. 10, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	1145	3060	5.52	June 1	0230	*7290	*7.58

Minimum discharge, 178 ft^3/s Dec. 11, gage height, 2.79 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 30 to July 27)

2.8	182	4.0	1060
3.0	279	5.0	2300
3.5	608	6.0	4000
		7.5	7400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	378	487	399	330	422	1140	1620	1470	6900	1530	686	469
2	375	481	382	355	437	1180	1460	1550	6800	1440	671	455
3	369	463	414	350	441	1220	1350	1930	6520	1430	653	443
4	363	450	357	340	416	1200	1320	2240	6120	1480	647	433
5	358	484	371	340	396	1150	1340	2120	6000	1460	636	422
6	355	459	363	340	376	1150	1380	1950	5150	1280	625	414
7	442	487	363	335	301	1240	1540	1780	4500	1190	616	409
8	409	538	364	320	275	1970	1730	1630	4000	1160	613	493
9	380	470	339	310	294	1650	1710	1530	3650	1180	601	623
10	379	455	277	325	379	1440	1840	1530	3350	1170	586	494
11	386	468	214	310	374	1310	1820	1430	3350	1170	587	465
12	403	444	254	320	348	1200	1740	1340	3500	1140	579	442
13	381	436	315	315	359	1110	1570	1320	3420	1100	574	435
14	374	422	325	350	353	1010	1420	1290	3420	1070	565	447
15	371	395	315	330	436	925	1360	1270	3400	1040	554	495
16	371	435	300	335	539	878	1330	1250	3210	1030	545	463
17	371	421	285	340	613	827	1260	1310	3140	1010	546	458
18	365	407	300	350	687	778	1190	1430	3130	947	531	499
19	362	356	295	365	799	758	1150	1800	2870	914	507	469
20	365	377	280	360	706	766	1240	2360	2530	882	504	480
21	396	394	290	340	645	829	1600	2940	2280	871	554	472
22	451	365	300	315	639	865	2110	2760	2130	862	562	449
23	512	255	295	330	885	887	2680	2410	2080	847	549	434
24	715	308	300	330	1100	976	2400	2210	2100	826	530	451
25	698	390	295	285	1180	969	2300	2350	2080	815	501	489
26	652	334	285	300	1230	942	2070	2970	2030	786	486	539
27	620	360	280	358	1210	998	1860	3980	1960	775	477	546
28	610	449	280	364	1140	1250	1760	4970	1920	749	467	515
29	559	469	285	367	---	1510	1660	5730	1830	730	463	490
30	536	431	290	385	---	1610	1520	6310	1680	714	491	533
31	511	---	305	393	---	1720	---	6500	---	703	475	---
TOTAL	13817	12690	9717	10487	16980	35458	49330	75660	105050	32301	17381	14226
MEAN	446	423	313	338	606	1144	1644	2441	3502	1042	561	474
MAX	715	538	414	393	1230	1970	2680	6500	6900	1530	686	623
MIN	355	255	214	285	275	758	1150	1250	1680	703	463	409
CFSM	.98	.93	.69	.74	1.33	2.51	3.61	5.35	7.68	2.29	1.23	1.04
IN.	1.13	1.04	.79	.86	1.39	2.89	4.02	6.17	8.57	2.64	1.42	1.16
AC-FT	27410	25170	19270	20800	33680	70330	97850	150100	208400	64070	34480	28220

CAL YR 1985 TOTAL 265523 MEAN 727 MAX 3150 MIN 214 CFSM 1.59 IN. 21.66 AC-FT 526700
WTR YR 1986 TOTAL 393087 MEAN 1077 MAX 6900 MIN 214 CFSM 2.36 IN. 32.07 AC-FT 779700

13236000 DEADWOOD RESERVOIR NEAR LOWMAN, ID

LOCATION.--Lat 44°17'36", long 115°38'41", in SW¼SE¼ sec. 8, T. 11 N., R.7 E., Valley County, Hydrologic Unit 17050120, Boise National Forest, at dam on Deadwood River, 15 mi north of Lowman, and at mile 18.0.

DRAINAGE AREA.--112 mi^2.

PERIOD OF RECORD.--October 1935 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by U.S. Bureau of Reclamation). National Geodetic Vertical Datum of 1929 is 22.8 ft higher. Prior to July 1, 1964, nonrecording gage.

REMARKS.--Reservoir was formed by concrete-arch dam completed in 1930; storage began Nov. 2, 1930. Reported capacity, 160,400 acre-ft between elevations 5,230.0 ft, minimum operating level for fish protection, 27 ft above sill of emergency gate in front of needle valve, and 5,334.0 ft crest of spillway. Storage below elevation 5,230 ft, about 1,500 acre-ft. Water is used to augment flow of Payette River at Black Canyon powerplant near Emmett and, since 1956, as supplemental irrigation supply for Emmett Irrigation District and other users. Small diversion from a tributary of Johnson Creek in Salmon River basin to Deadwood River basin for supplemental storage in Deadwood Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 5,337.43 ft June 25, 1974; minimum observed, about 5,205 ft Sept. 18 to Oct. 11, 1951, Aug. 30 to Sept. 30, 1973, Oct. 1-4, 1974, when reservoir was drained for repairs.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5,337.09 ft June 2; minimum, 5,295.55 ft Oct. 1.

ELEVATION (IN FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5295.63	5298.79	5301.61	5303.94	5306.27	5309.45	5315.69	5326.59	5336.83	5333.18	5309.81	5296.93
2	5295.72	5298.89	5301.79	5304.02	5306.40	5309.59	5315.93	5326.99	5337.05	5332.83	5309.13	5296.66
3	5295.77	5298.99	5301.87	5304.07	5306.47	5309.75	5316.17	5327.51	5337.03	5332.38	5308.43	5296.43
4	5295.83	5299.14	5301.94	5304.12	5306.54	5309.93	5316.42	5328.09	5336.89	5332.00	5307.76	5296.50
5	5295.91	5299.23	5302.02	5304.29	5306.63	5310.09	5316.69	5328.59	5336.77	5331.61	5307.23	5296.59
6	5295.99	5299.35	5302.13	5304.33	5306.67	5310.28	5316.97	5329.05	5336.60	5331.20	5306.69	5296.66
7	5296.11	5299.50	5302.24	5304.37	5306.71	5310.60	5317.31	5329.46	5336.50	5330.75	5306.14	5296.73
8	5296.18	5299.63	5302.31	5304.46	5306.77	5310.96	5317.68	5329.84	5336.40	5330.20	5305.61	5296.87
9	5296.25	5299.71	5302.38	5304.55	5306.85	5311.25	5318.04	5330.24	5336.23	5329.57	5305.06	5296.99
10	5296.33	5299.83	5302.42	5304.60	5306.90	5311.52	5318.47	5330.65	5336.09	5328.93	5304.51	5297.06
11	5296.42	5299.92	5302.49	5304.66	5306.96	5311.76	5318.86	5330.99	5335.97	5328.30	5303.93	5297.14
12	5296.49	5300.01	5302.58	5304.70	5307.07	5311.98	5319.23	5331.32	5335.89	5327.62	5303.36	5297.22
13	5296.57	5300.11	5302.63	5304.76	5307.18	5312.19	5319.55	5331.55	5335.80	5326.86	5302.79	5297.29
14	5296.64	5300.19	5302.70	5304.84	5307.29	5312.36	5319.85	5331.65	5335.69	5326.04	5302.23	5297.36
15	5296.73	5300.28	5302.77	5304.93	5307.45	5312.54	5320.17	5331.66	5335.62	5325.17	5301.81	5297.47
16	5296.80	5300.40	5302.83	5305.10	5307.64	5312.70	5320.44	5331.66	5335.54	5324.20	5301.40	5297.56
17	5296.88	5300.49	5302.91	5305.19	5307.78	5312.84	5320.70	5331.69	5335.50	5323.26	5300.96	5297.65
18	5296.96	5300.55	5302.97	5305.27	5307.98	5312.99	5320.95	5331.77	5335.50	5322.26	5300.55	5297.74
19	5297.03	5300.61	5303.03	5305.35	5308.11	5313.12	5321.21	5331.94	5335.46	5321.23	5300.31	5297.83
20	5297.11	5300.73	5303.09	5305.40	5308.20	5313.26	5321.51	5332.23	5335.25	5320.15	5300.03	5297.94
21	5297.22	5300.79	5303.15	5305.45	5308.29	5313.42	5321.91	5332.66	5335.05	5319.01	5299.79	5298.04
22	5297.38	5300.86	5303.22	5305.54	5308.46	5313.56	5322.48	5333.11	5335.01	5317.84	5299.57	5298.13
23	5297.57	5300.92	5303.29	5305.62	5308.60	5313.72	5323.10	5333.48	5334.93	5316.72	5299.33	5298.22
24	5297.76	5301.02	5303.35	5305.66	5308.72	5313.91	5323.67	5333.86	5334.82	5315.91	5299.07	5298.33
25	5297.91	5301.09	5303.43	5305.72	5308.87	5314.06	5324.18	5334.31	5334.70	5315.06	5298.82	5298.44
26	5298.07	5301.16	5303.48	5305.77	5308.99	5314.22	5324.62	5334.82	5334.58	5314.24	5298.60	5298.59
27	5298.22	5301.26	5303.54	5305.86	5309.14	5314.39	5325.06	5335.18	5334.47	5313.35	5298.33	5298.73
28	5298.34	5301.37	5303.60	5305.95	5309.29	5314.59	5325.48	5335.65	5334.35	5312.51	5298.08	5298.84
29	5298.45	5301.44	5303.66	5306.04	---	5314.81	5325.87	5336.15	5334.17	5311.85	5297.80	5298.96
30	5298.58	5301.52	5303.71	5306.10	---	5315.08	5326.23	5336.53	5333.96	5311.18	5297.50	5299.12
31	5298.69	---	5303.80	5306.18	---	5315.37	---	5336.75	---	5310.49	5297.21	---
MAX	5298.69	5301.52	5303.80	5306.18	5309.29	5315.37	5326.23	5336.75	5337.05	5333.18	5309.81	5299.12
MIN	5295.63	5298.79	5301.61	5303.94	5306.27	5309.45	5315.69	5326.59	5333.96	5310.49	5297.21	5296.43

WTR YR 1986 MAX 5337.05 MIN 5295.63

13236500 DEADWOOD RIVER BELOW DEADWOOD RESERVOIR, NEAR LOWMAN, ID

LOCATION.--Lat 44°17'30", long 115°38'33", in SE¼NE¼ sec. 17, T. 11 N., R. 7 E., Valley County, Hydrologic Unit 17050120, Boise National Forest, on right bank 300 ft upstream from Wilson Creek, 0.2 mi downstream from Deadwood Dam, 15 mi north of Lowman, and at mile 23.4.

DRAINAGE AREA.--112 mi^2. Mean elevation, 6,630 ft.

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only prior to May 1927, published in WSP 1317. Published as "at Beaver Creek Ranger Station, near Lowman" prior to October 1934.

REVISED RECORDS.--WSP 1123: 1943. WSP 1517: 1956. WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,180.52 ft above mean sea level (levels by U.S. Bureau of Reclamation). National Geodetic Vertical Datum of 1929 is 29.19 ft higher. Prior to June 22, 1935, at site 600 ft upstream at datum 5.85 ft higher and Oct. 1, 1935, to Aug. 3, 1955, at present site at datum 1.00 ft higher. June 22 to Sept. 30, 1935, nonrecording gage at site 20 ft upstream at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 24 to May 7. Records good except those below 5.0 ft^3/s, which are poor. Flow regulated by Deadwood Reservoir (see sta 13236000).

AVERAGE DISCHARGE.--60 years, 238 ft^3/s, 172,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,580 ft^3/s July 14, 1953, maximum gage height, 9.09 ft June 1, 1983; no flow or small amount of leakage from reservoir for long periods in 1934-37, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,060 ft^3/s June 2, gage height, 8.97 ft; minimum daily, 0.21 ft^3/s Sept. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	3.3	3.5	3.6	3.9	4.0	4.0	4.0	2000	681	951	353
2	1.4	3.3	3.5	3.5	3.9	4.0	4.0	4.2	2040	861	938	352
3	2.5	3.3	3.5	3.6	3.9	4.0	4.0	4.3	2020	942	935	295
4	1.4	3.3	3.5	3.7	3.9	4.0	4.0	4.4	1930	942	905	1.4
5	1.4	3.4	3.5	3.7	3.9	4.0	4.1	4.2	1850	942	724	.21
6	1.4	3.4	3.5	3.7	3.9	4.0	4.2	4.1	1740	942	723	.27
7	1.7	3.4	3.5	3.7	3.7	4.0	4.3	4.1	1620	952	724	.43
8	2.0	3.4	3.5	3.7	3.7	4.0	4.4	4.1	1580	1130	720	.59
9	1.8	3.4	3.5	3.7	3.7	4.0	4.4	4.0	1460	1200	703	.48
10	2.5	3.4	3.6	3.7	3.7	4.0	4.4	4.0	1330	1200	711	.43
11	3.2	3.4	3.6	3.7	3.7	4.0	4.3	3.6	1280	1200	710	.43
12	3.3	3.4	3.6	3.7	3.7	4.0	4.2	77	1210	1250	710	.43
13	3.3	3.4	3.6	3.7	3.7	4.0	4.1	229	1150	1350	706	.43
14	3.3	3.4	3.6	3.7	3.7	4.0	4.1	434	1100	1400	673	.46
15	3.3	3.4	3.6	3.7	3.8	4.0	4.0	546	1060	1540	533	.50
16	3.3	3.4	3.6	3.7	3.8	4.0	4.0	556	986	1540	532	.48
17	3.3	3.4	3.6	3.7	3.9	4.0	4.0	555	933	1530	531	.55
18	3.3	3.4	3.6	3.7	3.9	4.0	4.0	556	886	1590	506	16
19	3.3	3.4	3.6	3.7	3.9	4.0	4.3	557	855	1620	360	.57
20	3.3	3.4	3.7	3.5	3.9	4.1	4.5	502	952	1660	364	.55
21	3.5	3.5	3.7	3.5	3.9	4.2	4.6	424	834	1690	355	.49
22	3.6	3.5	3.7	3.5	3.9	4.2	4.8	322	765	1680	354	.47
23	3.8	3.5	3.7	3.5	3.9	4.2	5.0	322	706	1600	355	.46
24	3.6	3.5	3.7	3.5	3.9	4.2	4.8	322	659	1220	355	.56
25	3.3	3.5	3.7	3.5	3.9	4.1	4.5	325	621	1210	354	.55
26	3.3	3.5	3.7	3.5	3.9	4.2	4.3	406	595	1220	354	.65
27	3.3	3.5	3.7	3.5	4.0	4.2	4.2	603	575	1230	355	.66
28	3.3	3.5	3.7	3.5	4.0	4.2	4.1	900	565	1180	355	.54
29	3.3	3.5	3.7	3.5	---	4.2	4.1	1230	572	962	355	.54
30	3.3	3.5	3.7	3.6	---	4.2	4.0	1570	656	953	355	.60
31	3.3	---	3.7	3.7	---	4.1	---	1800	---	968	354	---
TOTAL	88.0	102.6	111.9	112.2	107.6	126.1	127.7	12281.0	34532	38385	17560	1029.73
MEAN	2.84	3.42	3.61	3.62	3.84	4.07	4.26	396	1151	1238	566	34.3
MAX	3.8	3.5	3.7	3.7	4.0	4.2	5.0	1800	2040	1690	951	353
MIN	1.4	3.3	3.5	3.5	3.7	4.0	4.0	3.6	565	681	354	.21
AC-FT	175	204	222	223	213	250	253	24360	68490	76140	34830	2040

CAL YR 1985 TOTAL 84124.6 MEAN 230 MAX 1150 MIN 1.4 AC-FT 166900
WTR YR 1986 TOTAL 104563.83 MEAN 286 MAX 2040 MIN .21 AC-FT 207400

13238500 PAYETTE LAKE AT MCCALL, ID

LOCATION.--Lat 44°54'50", long 116°07'10", in NW¼ sec. 8, T. 18 N., R.3 E., Valley County, Hydrologic Unit 17050123, at outlet of lake on North Fork Payette River at McCall, and at mile 75.4.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--August 1921 to current year (fragmentary prior to Nov. 23, 1943). Prior to October 1942, published as "at Lardo."

REVISED RECORDS.--WSP 753: 1931. WSP 1013: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,981.73 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 26, 1931, nonrecording gage at site 25 ft downstream at datum 3.0 ft higher. Aug. 26, 1931, to Nov. 22, 1943, nonrecording gage at site 75 ft downstream at datum 1.0 ft higher. November 23, 1943, to September 30, 1984, at present site at datum 1.0 ft higher.

REMARKS.--Flow from Payette Lake is regulated within natural range by tainter gates and removable stoplogs of a buttress and slab-type dam completed in November 1943. During period 1923-43 lake was regulated by structure consisting of a series of concrete-filled cribs supporting removable flashboards. Some regulation is reported to have been affected by timber flashboards for several years prior to 1923. Lake area is approximately 5,000 acres. No capacity table has been developed. Water is used for irrigation in vicinity of Emmett. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 8.75 ft July 13, 1935; minimum observed, 0.95 ft Oct. 3, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.06 ft July 12; minimum, 1.45 ft Dec. 31, Jan. 15, 27, 29, 30.

GAGE HEIGHT (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	2.30	1.79	1.52	1.53	1.96	2.57	3.11	6.32	6.79	6.62	5.75
2	3.33	2.29	1.76	1.52	1.57	1.99	2.63	3.06	6.56	6.83	6.59	5.72
3	3.22	2.28	1.79	1.52	1.59	2.02	2.68	3.12	6.78	6.84	6.56	5.67
4	3.11	2.28	1.77	1.52	1.58	2.06	2.66	3.38	6.76	6.92	6.51	5.61
5	3.02	2.28	1.76	1.52	1.59	2.08	2.65	3.44	6.68	6.93	6.48	5.55
6	3.02	2.28	1.76	1.53	1.60	2.11	2.67	3.46	6.52	6.91	6.46	5.46
7	2.88	2.34	1.79	1.53	1.59	2.28	2.72	3.38	6.24	6.92	6.41	5.39
8	2.78	2.33	1.78	1.51	1.57	2.42	2.79	3.30	5.89	6.95	6.38	5.39
9	2.69	2.30	1.76	1.53	1.57	2.67	2.86	3.24	5.49	6.98	6.36	5.29
10	2.62	2.27	1.74	1.51	1.56	2.71	2.99	3.20	5.15	7.02	6.27	5.20
11	2.62	2.25	1.70	1.51	1.55	2.75	3.07	3.14	4.90	7.05	6.30	5.10
12	2.55	2.21	1.67	1.49	1.56	2.74	3.15	3.07	4.70	7.04	6.26	4.99
13	2.48	2.18	1.66	1.49	1.58	2.71	3.18	3.00	4.44	7.04	6.23	4.92
14	2.43	2.12	1.65	1.47	1.59	2.67	3.10	3.01	4.46	7.02	6.19	4.83
15	2.40	2.09	1.63	1.47	1.62	2.62	3.03	2.98	4.79	7.00	6.16	4.77
16	2.26	2.10	1.62	1.52	1.66	2.57	3.01	2.95	5.15	7.01	6.13	4.67
17	2.22	2.08	1.60	1.53	1.66	2.53	2.94	2.99	5.51	7.01	6.10	4.59
18	2.19	2.04	1.59	1.51	1.71	2.48	2.87	3.09	5.84	7.01	6.08	4.51
19	2.11	2.02	1.58	1.52	1.74	2.44	2.81	3.38	6.10	7.02	6.06	4.42
20	2.07	2.01	1.57	1.52	1.72	2.39	2.78	3.82	6.25	7.00	6.04	4.34
21	2.11	1.99	1.55	1.51	1.71	2.36	2.85	4.26	6.39	6.98	6.04	4.25
22	2.13	1.98	1.54	1.47	1.78	2.33	3.21	4.39	6.55	6.98	6.04	4.14
23	2.14	1.92	1.53	1.52	1.85	2.29	3.46	4.26	6.68	6.96	6.03	4.01
24	2.14	1.91	1.52	1.50	1.85	2.33	3.47	4.09	6.82	6.95	6.01	3.98
25	2.19	1.88	1.51	1.50	1.86	2.33	3.47	4.11	6.86	6.91	5.97	3.92
26	2.25	1.85	1.50	1.49	1.90	2.31	3.47	4.48	6.80	6.87	5.94	3.85
27	2.30	1.84	1.50	1.47	1.93	2.30	3.45	4.83	6.80	6.84	5.90	3.76
28	2.33	1.83	1.49	1.48	1.95	2.32	3.38	5.16	6.80	6.79	5.86	3.67
29	2.34	1.82	1.48	1.47	---	2.39	3.29	5.48	6.81	6.75	5.84	3.61
30	2.33	1.80	1.47	1.50	---	2.45	3.20	5.78	6.80	6.71	5.81	3.53
31	2.31	---	1.46	1.51	---	2.51	---	6.06	---	6.66	5.78	---
MEAN	2.52	2.10	1.63	1.51	1.68	2.39	3.01	3.77	6.06	6.93	6.17	4.70
MAX	3.45	2.34	1.79	1.53	1.95	2.75	3.47	6.06	6.86	7.05	6.62	5.75
MIN	2.07	1.80	1.46	1.47	1.53	1.96	2.57	2.95	4.44	6.66	5.78	3.53

CAL YR 1985	MEAN	3.31	MAX	7.12	MIN	1.18
WTR YR 1986	MEAN	3.55	MAX	7.05	MIN	1.46

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID

LOCATION.--Lat 44°54'27", long 116°07'04", in NW¼SE¼SW¼ sec. 8, T. 18 N., R.3 E., Valley County, Hydrologic Unit 17050123, on left bank at McCall, 0.2 mi downstream from outlet of Payette Lake, and at mile 75.2.

DRAINAGE AREA.--144 mi^2. Mean elevation, 6,520 ft.

PERIOD OF RECORD.--September 1908 to June 1917, May 1919 to current year. Prior to October 1942, published as "at Lardo."

REVISED RECORDS.--WSP 983: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,987.75 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Fish and Game). Nonrecording gage at site 1 mi downstream at different datum prior to Oct. 14, 1908, and Oct. 14, 1908, to Dec. 18, 1923, at sites near present gage at present datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated to some extent since several years prior to 1923 by gates at outlet of Payette Lake 0.2 mi upstream (see sta 13238500) and several smaller lakes upstream. Diversion for fish hatchery bypasses station and is returned below gage. Records of daily discharge of this diversion published in annual Water-Supply Papers from October 1942 to February 1953. Diversions since 1980 not comparable.

AVERAGE DISCHARGE.--75 years (1909-16, 1920-86), 369 ft^3/s, 267,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,950 ft^3/s June 19, 1974; maximum gage height, 8.16 ft June 19, 1974; no flow Nov. 5-8, 1931, Nov. 17-24, 1933, Nov. 14-27, 1935, Oct. 22 to Nov. 11, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,040 ft^3/s June 1, 2, gage height, 7.37 ft; minimum, 18 ft^3/s June 19, gage height, 1.55 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 26 to Nov. 6, Sept. 27-30)

1.6	20	2.5	134	4.0	864
1.9	42	3.0	297	6.0	2550
2.2	77	3.5	550	8.0	4800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	150	105	74	79	185	463	726	3970	178	83	121
2	330	148	108	75	84	194	481	694	3950	85	78	156
3	313	156	110	76	90	206	475	751	3930	55	75	173
4	295	179	109	75	90	216	465	916	3870	118	75	171
5	275	183	106	77	93	225	457	992	3640	227	75	212
6	263	186	107	79	95	235	461	983	3600	269	73	232
7	253	196	111	77	94	262	484	931	3350	155	64	244
8	238	203	114	76	92	356	542	866	3090	70	63	283
9	220	197	111	76	91	438	622	805	2730	63	63	292
10	205	188	107	76	89	475	698	775	2410	63	63	289
11	192	188	105	74	89	497	752	744	2180	73	63	282
12	182	178	99	73	89	500	775	704	2030	139	63	278
13	171	169	96	71	93	487	758	672	1850	137	62	276
14	160	162	94	70	96	470	713	660	1100	120	62	273
15	152	155	92	70	102	446	666	645	33	90	62	267
16	143	154	89	74	107	425	651	624	35	109	60	264
17	135	152	86	78	109	406	618	506	35	101	60	262
18	128	148	85	77	119	384	580	422	36	72	60	273
19	121	140	83	76	125	367	544	710	28	69	61	275
20	115	138	81	75	123	349	520	1140	25	69	60	272
21	112	134	79	75	121	335	545	1500	26	61	70	270
22	113	134	78	74	133	322	711	1700	26	57	93	295
23	120	127	76	75	149	310	1010	1610	29	57	93	300
24	121	122	75	74	157	318	1130	1460	34	57	91	297
25	124	119	74	74	158	320	1130	1420	227	109	90	294
26	132	115	72	72	166	314	1060	1640	593	114	97	289
27	139	111	71	71	174	308	988	2060	273	106	107	283
28	147	110	70	72	181	312	920	2560	212	106	119	278
29	151	110	69	74	---	334	852	3050	211	105	123	274
30	152	107	67	75	---	377	786	3540	215	95	122	269
31	151	---	66	76	---	424	---	3870	---	84	121	---
TOTAL	5702	4559	2795	2311	3188	10797	20857	39676	43738	3213	2451	7744
MEAN	184	152	90.2	74.5	114	348	695	1280	1458	104	79.1	258
MAX	349	203	114	79	181	500	1130	3870	3970	269	123	300
MIN	112	107	66	70	79	185	457	422	25	55	60	121
AC-FT	11310	9040	5540	4580	6320	21420	41370	78700	86750	6370	4860	15360

CAL YR 1985	TOTAL	100914	MEAN	276	MAX	2360	MIN	34	AC-FT	200200
WTR YR 1986	TOTAL	147031	MEAN	403	MAX	3970	MIN	25	AC-FT	291600

13240000 LAKE FORK PAYETTE RIVER ABOVE JUMBO CREEK, NEAR MCCALL, ID

LOCATION.--Lat 44°54'49", long 115°59'47", in SW¼SE¼NW¼ sec. 8, T. 18 N., R.4 E., Valley County, Hydrologic Unit 17040123, on left bank 100 ft upstream from abandoned powerplant, 0.2 mi upstream from Jumbo Creek, 3.5 mi upstream from Lake Fork Reservoir dam, 5.5 mi east of McCall, and at mile 21.0.

DRAINAGE AREA.--48.9 mi^2. Mean elevation, 6,950 ft.

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft, from topographic map. Prior to Nov. 10, 1945, nonrecording gage at site 200 ft downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 7 to Jan. 27, Feb. 5 to Apr. 11. Records good except for estimated daily discharges, which are fair. No diversion above station. Flow regulated by Browns Pond, capacity 1,230 acre-ft.

AVERAGE DISCHARGE.--41 years, 148 ft^3/s, 41.10 in./yr, 107,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,770 ft^3/s June 26, 1971, gage height, 9.15 ft, from rating curve extended above 1,200 ft^3/s; minimum, 1.2 ft^3/s Dec. 3, 1967, minimum gage height, 1.05 ft part of each day Nov. 8-9, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,070 ft^3/s May 30, gage height, 8.51 ft; minimum, 1.5 ft^3/s Sept. 13, 14, gage height, 1.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	67	52	38	44	65	125	152	1620	148	36	19
2	37	76	54	39	44	67	115	180	1440	135	34	18
3	36	79	55	39	43	70	110	281	1400	130	33	17
4	34	80	48	40	42	74	105	370	1150	137	32	18
5	33	85	50	40	41	77	105	314	1110	170	30	18
6	32	78	50	40	41	80	110	275	1110	150	29	16
7	39	79	50	41	29	87	120	248	927	122	28	15
8	37	77	50	41	30	102	145	231	821	108	28	26
9	30	65	42	40	35	99	147	217	675	107	27	44
10	34	64	36	39	42	97	155	218	639	104	26	24
11	35	72	37	38	42	91	178	204	653	112	25	21
12	35	68	41	40	42	85	172	185	679	101	24	11
13	32	66	45	38	43	81	170	185	632	88	24	1.6
14	32	58	44	37	45	81	168	189	596	81	23	10
15	32	64	43	37	48	76	161	177	576	76	22	19
16	34	70	44	37	50	72	139	169	509	74	22	20
17	33	67	43	37	49	70	122	183	495	76	21	19
18	32	63	43	38	49	68	114	229	471	70	20	23
19	32	50	42	35	47	66	108	382	405	65	20	24
20	32	55	41	36	44	64	107	624	342	62	19	24
21	36	54	40	36	42	66	157	818	316	196	23	25
22	44	53	40	35	43	67	254	558	295	324	27	23
23	43	46	40	33	47	68	278	409	288	156	22	20
24	60	45	40	32	50	69	284	366	148	54	20	23
25	108	57	39	29	54	71	263	485	55	51	19	36
26	133	54	39	31	57	68	234	875	207	47	18	38
27	110	52	38	32	59	70	207	1300	161	44	17	35
28	114	54	38	34	62	75	199	1510	187	42	17	31
29	97	54	38	34	---	80	183	1660	188	40	16	31
30	84	53	37	39	---	95	161	1800	166	39	17	34
31	54	---	38	42	---	125	---	1740	---	37	18	---
TOTAL	1563	1905	1337	1147	1264	2426	4896	16534	18261	3146	737	683.6
MEAN	50.4	63.5	43.1	37.0	45.1	78.3	163	533	609	101	23.8	22.8
MAX	133	85	55	42	62	125	284	1800	1620	324	36	44
MIN	30	45	36	29	29	64	105	152	55	37	16	1.6
CFSM	1.03	1.30	.88	.76	.92	1.60	3.33	10.9	12.5	2.07	.49	.47
IN.	1.19	1.45	1.02	.87	.96	1.85	3.72	12.58	13.89	2.39	.56	.52
AC-FT	3100	3780	2650	2280	2510	4810	9710	32800	36220	6240	1460	1360

CAL YR 1985 TOTAL 42245.9 MEAN 116 MAX 838 MIN 9.5 CFSM 2.37 IN. 32.14 AC-FT 83790
WTR YR 1986 TOTAL 53899.6 MEAN 148 MAX 1800 MIN 1.6 CFSM 3.03 IN. 41.00 AC-FT 106900

13244500 CASCADE RESERVOIR AT CASCADE, ID

LOCATION.--Lat 44°31'30", long 116°03'00", in NE¼NE¼ sec. 26, T. 14 N., R. 3 E., Valley County, Hydrologic Unit 17050123, in gate-control structure at south end of Cascade Dam on North Fork Payette River, 0.5 mi downstream from Willow Creek, 0.8 mi northwest of Cascade, and at mile 40.2.

DRAINAGE AREA.--620 mi². Mean elevation, 5,960 ft.

PERIOD OF RECORD.--January to December 1948 (fragmentary), January 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (U.S. Bureau of Reclamation levels). National Geodetic Vertical datum of 1929 is 0.66 ft lower. Prior to Nov. 7, 1958, nonrecording gage at north end of dam at present datum.

REMARKS.--Reservoir is formed by earthfill dam completed in May 1949. Partial storage began Nov. 7, 1947. Full storage first reached in June 1957. Capacity, 703,200 acre-ft between elevations 4,766 ft, 4.0 ft above sill of outlet tunnel, and 4,828 ft, top of spillway gates. Figures given herein represent contents above elevation 4,766 ft. U.S. Bureau of Reclamation attempts to limit withdrawals to elevation 4,787.5 ft, retaining 50,000 acre-ft capacity as dead storage. Contents table computed from tables furnished by U.S. Bureau of Reclamation (revised 1950). Water is used for irrigation of lands in the Payette Division of the Boise Project and for power at Black Canyon powerplant near Emmett.

COOPERATION.--Capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 727,000 acre-ft June 10, 11, 1957, elevation, 4,828.69 ft; no contents at times during March and September 1948 (prior to filling of reservoir); minimum after first filling of reservoir in June 1957, 193,000 acre-ft Feb. 8, 1962, elevation, 4,802.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 700,400 acre-ft July 2, elevation, 4,827.89 ft; minimum, 399,100 acre-ft Oct. 20, elevation, 4,814.70 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

4,814.0	385,600
4,820.0	508,600
4,828.0	703,300

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	415800	414500	436400	451000	463600	510800	497300	487700	627600	695200	667800	536900
2	414900	414900	437400	451300	464500	512000	496600	488500	644000	700400	665200	532600
3	413500	415300	441200	452100	465500	512800	495300	489600	657800	693600	661700	527800
4	412500	415800	441000	453900	466100	513300	494200	490500	667600	695200	657800	522700
5	411100	416200	441900	454100	467000	513500	492900	491600	675300	695400	653900	518700
6	410300	417000	441900	454100	467800	513100	491600	493600	682100	695400	650100	513100
7	409700	418600	444200	453700	468200	512000	490300	495500	686300	695400	646000	507900
8	407900	420200	444900	453900	468700	513300	489400	497500	691800	696200	642000	505800
9	406600	421600	445300	454300	468900	516000	489000	499000	693900	696200	638000	502300
10	405400	422600	445700	455000	469300	516600	488300	500300	695400	695900	634400	498300
11	404400	423900	446100	455000	469500	517300	488100	501400	696700	695900	630700	494600
12	403000	424900	446300	455000	470200	517500	487900	502700	697300	695700	626600	491100
13	401700	425500	446300	455200	471200	517500	487700	505100	697500	695700	622100	487700
14	401100	426300	446700	455200	471900	517500	487000	507700	697300	695700	617700	483600
15	400700	427000	447100	455200	473600	516600	485900	509300	694600	695700	613300	480200
16	400700	428000	447100	457200	478000	515700	485300	510200	694400	694600	609300	476300
17	400900	428800	446900	458300	481900	514400	484700	511100	695200	694400	604900	473000
18	400700	429600	447100	458700	486600	512800	483600	512200	695400	694100	600200	470800
19	400100	429600	447300	459100	487900	511100	482100	513300	695400	693900	596100	468000
20	401100	430200	447800	459500	489900	509300	480600	515100	695200	693600	591100	465300
21	402100	431000	448000	459700	490900	507500	479100	526000	695200	692300	586700	462400
22	406000	431600	448200	460100	494900	506000	478000	528000	694600	691800	581900	459900
23	407800	432400	448400	460100	496200	504500	478300	534400	694400	690400	577300	457400
24	409100	432800	448600	460500	501400	503600	479500	539900	694100	688600	573100	455400
25	410700	433400	448800	460900	504000	503300	481500	545600	693900	686500	568400	453700
26	411900	433800	448800	461200	506800	502500	482700	551600	693900	684700	563700	453100
27	412300	434400	449000	461400	508600	501400	483800	559500	694600	682300	559000	452100
28	412800	434800	449000	461800	509900	500100	484700	569800	694900	679200	554100	450500
29	413200	435200	449200	462400	---	499000	485700	581900	694900	676600	550200	449000
30	413600	435800	449400	462800	---	498100	486800	596400	694900	673700	545800	448400
31	414000	---	450000	463200	---	497900	---	612100	---	670900	541300	---
MAX	415800	435800	450000	463200	509900	517500	497300	612100	697500	700400	667800	536900
MIN	400100	414500	436400	451000	463600	497900	478000	487700	627600	670900	541300	448400
(†)		4816.55	4817.25	4817.89	4820.06	4819.51	4819.00	4824.43	4827.68	4826.76	4821.45	4817.17
(‡)	-2800	21500	14200	13200	46700	-12000	-11100	125300	82800	-24000	-129600	-92900

CAL YR 1985.......(‡) -2500
WTR YR 1986.......(‡) 31600

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13245000 NORTH FORK PAYETTE RIVER AT CASCADE, ID

LOCATION.--Lat 44°31'30", long 116°02'45" in SE¼ NW¼ sec. 35, T. 14 N., R.3 E., Valley County, Hydrologic Unit 17050123, 0.2 mi downstream from Cascade Dam, and at mile 40.0.

DRAINAGE AREA.--620 mi^2. Mean elevation, 5,96.

PERIOD OF RECORD.--May 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,720.000 ft above National Geodetic Vertical Datum of 1929. May 1941 to Jan. 28, 1947 (nonrecording gage), Jan. 29, 1947, to Nov. 5, 1958, Oct. 1, 1965, to Sept. 30, 1982, at site 1.4 mi downstream at datum 4,725.310 ft above National Geodetic Vertical Datum, Nov. 6, 1958, to Sept. 30, 1965, at site 0.1 mi upstream at datum 4,734.590 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Payette Lake (see sta 13238500), Lake Fork Reservoir, and Cascade Reservoir 0.2 mi upstream, beginning November 1947 (see sta 13244500). Diversions above station for irrigation of about 39,000 acres, 1966 determination.

AVERAGE DISCHARGE.--45 years, 1,057 ft^3/s, 765,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,320 ft^3/s May 10, 1947, gage height, 6.29 ft; no flow for part of Oct. 14, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,750 ft^3/s June 6, gage height, 15.71 ft; minimum, 136 ft^3/s Jan. 7, gage height, 8.66 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 8, May 23 to June 2, July 5 to Sept. 30)

8.9	166	11.0	1000
9.2	226	13.0	2310
10.0	519	15.0	3990

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	177	218	239	242	786	2420	1630	262	340	1570	2320
2	1270	176	226	225	243	781	2410	1630	252	402	1570	2340
3	1270	175	223	231	243	907	2420	1620	785	407	1670	2540
4	1270	173	224	232	238	1090	2430	1610	2080	407	1900	2620
5	1260	182	226	237	232	1420	2430	1620	2840	415	2010	2580
6	1260	179	228	239	229	1930	2430	1610	3600	422	2020	2520
7	1260	181	232	227	230	2070	2430	1630	3390	421	2000	2520
8	1250	192	225	231	230	2100	2420	1650	3160	427	2000	2450
9	1260	201	223	235	230	2090	2420	1620	3160	430	2000	2400
10	1260	200	229	244	228	2100	2430	1610	3140	386	2010	2280
11	1260	202	232	239	231	2100	2450	1610	3150	371	2000	2190
12	1260	212	235	237	236	2080	2420	1550	3150	365	2000	2140
13	1260	209	238	236	238	2100	2420	1200	3140	375	1990	2140
14	1080	227	237	237	239	2120	2430	1100	3150	395	2110	2130
15	777	216	236	233	244	2130	2430	1100	2650	460	2170	2140
16	701	217	239	233	244	2110	2430	1110	1090	453	2170	2030
17	593	210	237	240	247	2110	2410	1120	605	466	2170	1960
18	544	207	235	240	251	2110	2430	1130	600	470	2280	1950
19	546	214	232	241	237	2130	2440	1130	604	475	2360	1950
20	552	210	235	238	232	2090	2440	829	608	546	2380	1900
21	355	202	231	236	232	2130	2440	611	609	578	2370	1870
22	183	204	230	237	232	2120	2170	481	614	563	2370	1810
23	181	205	233	233	239	2120	1610	244	624	886	2370	1590
24	180	205	230	232	244	2120	1620	244	584	1040	2340	1530
25	179	214	230	232	244	2200	1610	249	499	1100	2350	1530
26	178	215	229	232	244	2350	1610	253	508	1250	2370	1530
27	178	220	228	225	473	2350	1620	255	350	1320	2370	1530
28	175	219	230	225	790	2400	1620	256	255	1500	2360	1490
29	176	220	228	225	---	2440	1610	255	256	1580	2350	1450
30	176	223	228	225	---	2420	1620	256	254	1580	2330	1330
31	176	---	231	228	---	2420	---	260	---	1580	2330	---
TOTAL	23340	6087	7138	7244	7442	61424	66070	31473	45947	21410	66290	60760
MEAN	753	203	230	234	266	1981	2202	1015	1532	691	2138	2025
MAX	1270	227	239	244	790	2440	2450	1650	3600	1580	2380	2620
MIN	175	173	218	225	228	781	1610	244	252	340	1570	1330
AC-FT	46290	12070	14160	14370	14760	121800	131000	62430	91140	42470	131500	120500

CAL YR 1985 TOTAL 287110 MEAN 787 MAX 2810 MIN 173 AC-FT 569500
WTR YR 1986 TOTAL 404625 MEAN 1109 MAX 3600 MIN 173 AC-FT 802600

13246000 NORTH FORK PAYETTE RIVER NEAR BANKS, ID

LOCATION.--Lat 44°06'50", long 116°08'25", in NW¼SE¼ sec. 16, T. 9 N., R. 3 E., Boise County, Hydrologic Unit 17050123, Boise National Forest, on right bank 300 ft downstream from highway bridge, 2.5 mi north of Banks, and at mile 2.8.

DRAINAGE AREA.--933 mi^2. Mean elevation, 5,800 ft.

PERIOD OF RECORD.--April 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,081.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1 to Jan. 24. Records good except for estimated daily discharges, which are fair. Flow regulated by Payette Lake (sta 13238500), Lake Fork Reservoir, and Cascade Reservoir 37.1 mi upstream, beginning November 1947 (sta 13244500). Diversions above station for irrigation of about 50,000 acres (1966 determination).

AVERAGE DISCHARGE.--39 years, 1,394 ft^3/s, 1,010,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,830 ft^3/s May 11, 1947, gage height, about 13.5 ft, estimated on basis of records for station near Smiths Ferry; minimum recorded, 36 ft^3/s Dec. 21, 1947, gage height, 3.01 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,080 ft^3/s Mar. 8, gage height, 10.72 ft; minimum daily, 250 ft^3/s Nov. 23.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

4.0	242	7.0	1560
5.0	527	9.0	3210
6.0	980	11.0	5550

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	270	330	360	444	1840	3810	2500	1700	444	1560	2490
2	1370	280	340	340	491	1770	3720	2540	1670	528	1560	2500
3	1380	275	330	330	512	1760	3600	2660	1640	539	1580	2570
4	1380	285	330	330	506	1990	3580	2850	2480	559	1780	2800
5	1370	280	335	345	491	2100	3570	2760	3820	617	2050	2810
6	1370	300	340	345	442	2680	3570	2690	4170	601	2080	2710
7	1360	350	350	330	413	3430	3620	2610	4900	569	2080	2690
8	1350	310	330	330	398	4860	3740	2560	4340	540	2070	2730
9	1360	280	335	345	402	4360	3860	2540	4180	555	2070	2660
10	1360	280	335	375	429	3900	3820	2550	4080	549	2070	2610
11	1360	285	320	365	414	3770	3810	2500	4020	520	2070	2440
12	1360	300	320	355	394	3650	3750	2440	4000	491	2070	2350
13	1350	285	330	355	406	3400	3660	2170	3960	472	2070	2340
14	1280	310	350	365	403	3300	3540	1860	3910	462	2080	2340
15	880	290	350	350	450	3160	3480	1800	3890	450	2240	2340
16	855	300	355	360	571	3130	3520	1770	2570	451	2250	2330
17	690	320	350	370	819	3080	3440	1770	1230	460	2260	2180
18	640	310	350	380	1010	2990	3390	1820	1080	458	2270	2180
19	660	320	350	390	1200	3000	3360	1910	1020	461	2440	2180
20	660	315	355	400	1050	3050	3400	1960	972	452	2500	2210
21	390	300	350	390	925	3140	3510	1560	947	521	2500	2110
22	280	280	345	370	857	3160	3720	1450	933	507	2480	2100
23	280	250	350	380	1290	3130	3140	1120	923	505	2460	1910
24	280	280	340	380	2050	3470	2860	969	899	804	2440	1730
25	280	320	345	365	2170	3410	2790	982	780	829	2440	1750
26	275	320	345	360	1940	3440	2680	1090	763	1040	2450	1770
27	275	330	340	370	1660	3500	2630	1220	741	1220	2460	1820
28	270	330	345	381	1910	3620	2690	1350	528	1280	2460	1770
29	270	330	340	381	---	3790	2600	1470	489	1540	2460	1650
30	270	340	340	405	---	3860	2530	1600	474	1560	2480	1650
31	270	---	350	416	---	3910	---	1690	---	1560	2480	---
TOTAL	26555	9035	10575	11318	24047	99650	101390	60761	67219	21752	68260	67720
MEAN	857	301	341	365	859	3215	3380	1960	2241	702	2202	2257
MAX	1380	350	355	416	2170	4860	3860	2850	4900	1560	2500	2810
MIN	270	250	320	330	394	1760	2530	969	474	444	1560	1650
AC-FT	52670	17920	20980	22450	47700	197700	201100	120500	133300	43150	135400	134300

CAL YR 1985	TOTAL	377702	MEAN	1035	MAX	3280	MIN	250	AC-FT	749200
WTR YR 1986	TOTAL	568282	MEAN	1557	MAX	4900	MIN	250	AC-FT	1127000

13247500 PAYETTE RIVER NEAR HORSESHOE BEND, ID

LOCATION.--Lat 43°56'33", long 116°11'45", in NE¼SE¼ sec.15, T.7 N., R.2 E., Boise County, Hydrologic Unit 17050122, on left bank 0.5 mi downstream from Porter Creek, 0.6 mi upstream from concrete highway bridge on State Highway 55, 2 mi north of Horseshoe Bend, and at mile 60.8.

DRAINAGE AREA.--2,230 mi^2, approximately. Mean elevation, 5,850 ft.

PERIOD OF RECORD.--February 1906 to September 1916, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 533: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,625.61 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 23, 1912, nonrecording gage at site 1.8 mi upstream at different datum. Nov. 23, 1912, to Apr. 16, 1953, water-stage recorder at site 1,000 ft downstream at datum 2.1 ft lower.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 3, Dec. 20 to Jan. 10, and June 25 to July 20. Records good. Flow regulated by Deadwood Reservoir beginning November 1930 (see sta 13236000), and Cascade Reservoir 51.9 mi upstream beginning November 1947 (see sta 13244500), and other reservoirs upstream. Diversions above station for irrigation of about 55,100 acres (1966 determination).

AVERAGE DISCHARGE.--77 years, 3,304 ft^3/s, 2,394,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,000 ft^3/s Dec. 23, 1964, gage height, 16.35 ft; minimum daily, 260 ft^3/s Nov. 14, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,100 ft^3/s June 5, gage height, 12.93 ft; minimum daily, 720 ft^3/s Nov. 24.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

2.5	686	7.0	4080
3.0	904	9.0	7060
4.0	1410	11.0	11200
5.0	2090	13.0	16400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1970	1180	1140	1160	1510	5830	8110	5670	15300	3800	3530	3500
2	1970	1150	1110	1070	1740	5720	7610	5810	15200	3750	3470	3510
3	1950	1130	1200	1340	1890	5840	7060	6760	14500	3700	3440	3520
4	1940	1110	1280	1290	1760	5950	6910	7770	14500	3750	3580	3640
5	1930	1160	1200	1230	1640	5850	6880	7470	15700	3800	3700	3430
6	1920	1150	1200	1030	1490	6330	6940	7040	15200	3650	3650	3330
7	2070	1200	1180	1000	1310	7360	7370	6600	14500	3500	3640	3300
8	2130	1520	1100	1000	1130	12200	7980	6240	13500	3400	3630	3360
9	2020	1380	1070	1030	1130	10700	8150	6040	12200	3500	3590	3590
10	1980	1230	979	1060	1290	9120	8290	6060	11300	3600	3570	3410
11	2000	1240	853	1220	1320	8340	8340	5860	10900	3550	3570	3170
12	2060	1170	820	1100	1260	7840	8080	5570	10900	3450	3560	3060
13	2030	1150	1050	1050	1260	7080	7580	5440	10700	3450	3550	3020
14	1990	1130	1140	1060	1260	6650	7030	5280	10400	3350	3540	3010
15	1720	1100	1110	1110	1480	6180	6700	5310	10200	3400	3590	3060
16	1460	1130	1100	1170	2490	6010	6700	5230	8720	3380	3520	3070
17	1390	1140	1140	1330	3700	5750	6430	5300	7070	3300	3530	2910
18	1270	1110	1150	1440	4380	5450	6170	5510	6630	3450	3510	2960
19	1210	1010	1190	1350	5110	5330	6000	6170	6210	3400	3560	2970
20	1210	993	1180	1350	4280	5340	6100	7140	5770	3450	3540	3030
21	1240	1060	1130	1270	3630	5510	6860	7870	5340	3540	3560	2990
22	1350	1010	1100	1180	3690	5570	8220	7370	5010	3480	3610	2880
23	1320	788	840	1170	6100	5580	9230	6340	4810	3440	3580	2720
24	1920	720	850	1130	7730	6130	8380	5740	4670	3460	3560	2510
25	1940	820	900	1050	7370	6320	7830	5870	4600	3360	3520	2660
26	1790	790	930	987	6830	6170	7100	6740	4550	3410	3510	2740
27	1600	880	900	1040	6310	6220	6600	8640	4500	3560	3500	2880
28	1500	1000	900	1110	6060	6810	6490	10900	4350	3580	3490	2780
29	1400	1120	900	1160	---	7680	6230	12500	4100	3630	3480	2580
30	1300	1130	920	1250	---	8100	5870	14000	3950	3540	3500	2580
31	1230	---	1020	1360	---	8470	---	14600	---	3520	3510	---
TOTAL	52810	32701	32582	36057	89150	211430	217240	222840	275280	109150	110090	92170
MEAN	1704	1090	1051	1163	3184	6820	7241	7188	9176	3521	3551	3072
MAX	2130	1520	1280	1440	7730	12200	9230	14600	15700	3800	3700	3640
MIN	1210	720	820	987	1130	5330	5870	5230	3950	3300	3440	2510
AC-FT	104700	64860	64630	71520	176800	419400	430900	442000	546000	216500	218400	182800

CAL YR 1985	TOTAL	992877	MEAN	2720	MAX	6850	MIN	720	AC-FT	1969000
WTR YR 1986	TOTAL	1481500	MEAN	4059	MAX	15700	MIN	720	AC-FT	2939000

13249500 PAYETTE RIVER NEAR EMMETT, ID

LOCATION.--Lat 43°55'50", long 116°26'30", in SW¼NE¼ sec. 22, T. 7 N., R. 1 W., Gem County, Hydrologic Unit 17050122, on right bank 0.3 mi downstream from Black Canyon Dam, 5 mi northeast of Emmett, and at mile 38.4.

DRAINAGE AREA.--2,680 mi^2, approximately.

PERIOD OF RECORD.--June 1925 to current year.

REVISED RECORDS.--WSP 1153: 1946(m), 1948(m).

GAGE.--Water-stage recorder. Datum of gage is 2,400.32 ft above National Geodetic Vertical Datum of 1929 (levels by U.S Bureau of Reclamation).

REMARKS.--Estimated daily discharges: Dec. 27 to Jan. 15. Records good. Flow regulated by Deadwood Reservoir beginning November 1930 (see sta 13236000), Cascade Reservoir beginning November 1947 (see sta 13244500), other smaller reservoirs, and to some extent by Black Canyon Dam 0.3 mi upstream where flow is regulated by diversion and gate operation at dam. Diversions above station for irrigation of about 160,000 acres, of which about 43,700 acres are below station and about 53,000 acres are in adjacent basins (1966 determination).

AVERAGE DISCHARGE.--61 years, 3,078 ft^3/s, 2,230,00 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,700 ft^3/s Dec. 23, 1964, gage height, 15.88 ft; minimum daily discharge, 0.7 ft^3/s Jan. 7, 1957, gage height, -1.49 ft when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,400 ft^3/s Mar. 8, gage height, 10.68 ft; minimum, 235 ft^3/s Nov. 19, gage height, 0.84 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 27 to Jan. 15)

1.5	456	6.0	6090
2.0	730	8.0	10100
2.5	1150	10.0	14700
3.0	1690	12.00	20000
4.0	2930		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1580	1430	1270	1020	2390	7700	9560	5350	15000	2050	1980	2040
2	1600	1380	1200	960	2790	7200	8990	5410	14900	1990	1930	2010
3	1550	1360	1410	1200	3080	7160	8230	6840	14300	2110	1890	2060
4	1560	1340	1580	1190	2880	7200	8030	7860	14100	2140	2000	2250
5	1540	1340	1390	1100	2360	7120	7650	7580	14900	2480	2140	2050
6	1510	1400	1280	930	2080	7350	7630	7070	14700	2210	2030	1980
7	1640	1390	1250	860	1810	7860	7930	6540	13900	1970	2090	2000
8	1790	1720	1410	880	1520	14200	8610	5970	13000	1850	2070	2120
9	1690	1700	1270	980	1410	13600	9010	5880	11800	2080	2050	2400
10	1650	1510	1280	960	1590	11500	8990	5820	10800	2090	2030	2340
11	1570	1460	901	1000	1610	10600	9100	5760	10300	2030	2020	2140
12	1650	1380	821	1230	1600	10100	8760	5310	10200	1940	2040	2000
13	1660	1330	982	1130	1620	9150	8350	5100	10000	1920	2020	1960
14	1760	1240	1050	1080	1580	8500	7670	4880	9670	1920	2010	1970
15	2000	1240	986	1200	1830	7790	7260	4800	9540	1890	2050	2080
16	1710	1290	1010	1330	3720	8060	7250	4660	8260	1970	1990	2140
17	1620	1280	1010	1610	6230	7380	6950	4690	6400	1990	1980	2000
18	1520	1240	1030	1770	8540	6820	6600	4880	5780	1930	1990	2050
19	1460	1150	1020	1760	8870	6570	6350	5490	5330	1940	2020	2110
20	1440	1100	1030	1750	6730	6500	6310	6550	4770	1890	1990	2320
21	1320	1170	970	1570	5590	6640	6960	7400	4260	1980	2010	2280
22	1620	1150	962	1560	5930	6690	8260	7260	3850	1950	2060	2210
23	1610	874	714	1460	9940	6660	9610	6080	3590	1910	2030	2110
24	1970	730	721	1510	12400	7160	8780	5180	3440	1930	2020	1920
25	2290	1030	773	1230	11100	7760	8090	5140	3250	1830	1960	2080
26	2110	972	792	1280	10000	7350	7240	6080	3060	1860	1930	2250
27	1900	1040	820	1150	9030	7390	6590	7990	2910	2010	1930	2490
28	1770	1150	800	1380	8080	7970	6480	10400	2620	2060	1920	2350
29	1700	1260	800	1390	---	8980	6020	12100	2360	2100	1940	2150
30	1580	1250	810	1640	---	9480	5700	13700	2240	2000	1970	2190
31	1490	---	870	1970	---	9920	---	14400	---	1990	2000	---
TOTAL	51860	37906	32212	40080	136320	258360	232960	211970	249230	62010	62150	64050
MEAN	1673	1264	1039	1293	4869	8334	7765	6838	8308	2000	2005	2135
MAX	2290	1720	1580	1970	12400	14200	9610	14400	15000	2480	2140	2490
MIN	1320	730	714	860	1410	6500	5700	4660	2240	1830	1890	1920
AC-FT	102900	75190	63890	79500	270400	512500	462100	420400	494300	123000	123300	127000

CAL YR 1985 TOTAL 829503 MEAN 2273 MAX 8290 MIN 714 AC-FT 1645000
WTR YR 1986 TOTAL 1439108 MEAN 3943 MAX 15000 MIN 714 AC-FT 2854000

13250000 PAYETTE RIVER NEAR LETHA, ID

LOCATION.--Lat 43°53'47", long 116°37'33", in SE¼SW¼SW¼ sec. 31, T. 7 N., R. 2 W., Gem County, Hydrologic Unit 17050122, on left bank just upstream from county road bridge, 1.1 mi east of Letha, and at mile 25.

DRAINAGE AREA.--2,760 mi^2, approximately.

PERIOD OF RECORD.--October 1978 to September 1983, October 1983 to September 1986, irrigation season only (discontinued). July to November 1952, March to November 1953, at site 0.6 mi upstream not equivalent due to inflow between sites.

GAGE.--Water-stage recorder. Elevation of gage is 2,280 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Deadwood Reservoir (see sta 13236000), Cascade Reservoir (see sta 13244500), and, to some extent, by Black Canyon Dam about 13.5 mi upstream. Diversions above station for irrigation of about 180,000 acres, of which 50,000 acres are located below station. About 53,000 acres are in adjacent basins (1966 determination).

AVERAGE DISCHARGE.--5 years (1978-83), 3,190 ft^3/s, 2,311,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s May 30, 1983, gage height, 15.76 ft; minimum, 250 ft^3/s Dec. 9, 1980, gage height, 7.81 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,300 ft^3/s June 1, gage height, 15.11 ft; minimum, 782 ft^3/s Oct. 21, gage height, 8.61 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 1-7)

8.4	650	11.0	3480
9.0	1060	12.0	5320
10.0	2070	13.0	7620
		15.0	13900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130						9090	4820	13600	1230	1150	1320
2	1140						8700	4750	13600	1100	1140	1330
3	1090						8130	5440	13100	1190	1070	1360
4	1120						7900	6660	12700	1270	1160	1550
5	1060						7540	6860	13200	1530	1300	1390
6	1040						7590	6390	13500	1410	1260	1330
7	1120						7720	5910	12600	1180	1260	1300
8	1290						8160	5470	11300	1070	1250	1440
9	1240						8670	5210	10600	1180	1220	1690
10	1180						8510	5190	9730	1270	1200	1750
11	1100						8480	5110	9200	1180	1240	1610
12	1200						8320	4700	9000	1140	1230	1560
13	1380						7980	4420	8870	1090	1220	1490
14	1570						7290	4210	8540	1080	1190	1480
15	2030						6880	4030	8390	1070	1230	1570
16	1730						6830	3960	7520	1080	1180	1670
17	1650						6550	3950	5700	1150	1200	1570
18	1540						6200	4100	4860	1110	1200	1560
19	1460						5960	4640	4460	1130	1240	1660
20	1430						5850	5580	3970	1100	1180	1930
21	1200						6230	6370	3490	1140	1190	2010
22	1630						7290	6540	3070	1150	1240	1900
23	1650						8540	5480	2790	1090	1280	1860
24	1850						8080	4570	2600	1120	1250	1680
25	2370						7390	4430	2440	1010	1260	1760
26	2170						6710	5160	2210	1030	1250	1930
27	1990						6070	6810	2100	1140	1230	2230
28	1820						5940	8930	1790	1210	1240	2130
29	1740						5500	10600	1540	1270	1260	1950
30	1660						5160	12100	1380	1160	1260	1910
31	1560						---	13000	---	1150	1310	---
TOTAL	46220						219260	185400	218350	36030	37890	49920
MEAN	1491						7309	5981	7278	1162	1222	1664
MAX	2370						9090	13000	13600	1530	1310	2230
MIN	1040						5160	3950	1380	1010	1070	1300
AC-FT	91680						434900	367700	433100	71470	75150	99020

13251000 PAYETTE RIVER NEAR PAYETTE, ID

LOCATION.--Lat 44°02'33", long 116°55'27", in NE¼SE¼SW¼ sec. 10, T. 8 N., R. 5 W., Payette County, Hydrologic Unit 17050122, on right bank just upstream from bridge on U.S. Highway 95, 1.8 mi south of Payette, and at mile 4.1.

DRAINAGE AREA.--3,240 mi^2, approximately.

PERIOD OF RECORD.--August 1935 to current year. Records for January 1895 to July 1897 (published as "at Payette" in 18th and 19th Annual Reports) have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1397: 1949(m), 1952, 1953-54(m).

GAGE.--Water-stage recorder. Datum of gage is 2,138.44 ft above National Geodetic Vertical Datum of 1929. Aug. 1, 1935, to Aug. 7, 1939, nonrecording gage at site 50 ft downstream at present datum.

REMARKS.--Estimated daily discharges: Dec. 18 to Jan. 24. Records good. Flow regulated by Deadwood Reservoir (see sta 13236000), Cascade Reservoir beginning November 1947 (see sta 13244500), other smaller reservoirs, and to some extent by Black Canyon Dam 34.6 mi upstream, where flow is regulated by diversion and gate operation at dam. Diversions above station for irrigation of about 196,000 acres, of which about 100 acres are irrigated by withdrawals from ground water, about 5,100 acres are located below station, and about 53,000 acres are in adjacent basins (1966 determination).

AVERAGE DISCHARGE.--51 years, 3,183 ft^3/s, 2,306,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,900 ft^3/s Dec. 24, 1964, gage height, 13.80 ft; minimum, 71 ft^3/s July 1, 1977, gage height, 3.27 ft; minimum daily, 150 ft^3/s June 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,600 ft^3/s Mar. 9, gage height, 11.05 ft; minimum, 882 ft^3/s Dec.11, gage height, 4.17 ft, but may have been less during period of ice effect.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 26 to Dec. 5;
stage-discharge relation affected by ice Dec. 18 to Jan. 24)

4.3	930	7.0	5630
5.0	1900	9.0	10400
6.0	3510	11.0	15600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	1900	1650	1700	3140	8600	9830	5210	13700	1700	1550	1950
2	1940	1850	1640	1400	3610	8050	9380	5000	13900	1480	1580	2000
3	1890	1820	1860	1730	3990	7900	8640	5520	13600	1530	1520	2010
4	1890	1780	2200	1710	3610	7890	8280	6920	13100	1630	1520	2150
5	1850	1760	1970	1750	3210	7760	7960	7720	13300	1820	1560	2140
6	1830	1810	1760	1600	2770	7680	7840	7020	14300	1960	1640	2030
7	1880	1800	1870	1340	2400	7950	7990	6600	13600	1750	1630	1970
8	2090	1980	1840	1370	2010	11400	8430	6140	12900	1530	1660	2090
9	2130	2210	1850	1400	1790	14800	9230	5870	11900	1500	1650	2390
10	2050	2020	1620	1470	1830	12600	8970	5720	10700	1670	1610	2580
11	1960	1870	1380	1730	1970	11400	9090	5850	10000	1640	1710	2410
12	2000	1900	1110	1830	1870	10900	8970	5370	9770	1610	1660	2320
13	2100	1720	1080	1720	2020	10300	8750	5010	9650	1580	1650	2240
14	2140	1670	1320	1640	2110	9270	8070	4730	9300	1570	1600	2220
15	2480	1630	1400	1860	2630	8640	7570	4520	9060	1470	1630	2240
16	2290	1670	1230	1860	4230	8670	7420	4430	8520	1430	1620	2340
17	2060	1780	1290	2350	6320	8660	7160	4360	6500	1560	1630	2290
18	1930	1740	1340	2600	10200	7710	6760	4470	5300	1540	1680	2300
19	1820	1650	1320	2400	9770	7270	6390	4900	4950	1520	1680	2400
20	1760	1480	1350	2380	9110	7120	6190	5740	4390	1500	1680	2710
21	1610	1450	1300	2300	7090	7070	6360	6670	3870	1500	1700	2830
22	1930	1550	1200	2100	6910	7210	7240	7370	3470	1510	1780	2670
23	2130	1360	1100	2000	9610	7030	8640	6300	3210	1420	1830	2670
24	2120	1060	1050	2100	13300	7120	8790	5230	2940	1420	1850	2510
25	2750	1110	1060	1660	12400	8140	7970	4860	2780	1380	1870	2500
26	2610	1420	1080	1620	11200	7700	7370	5350	2560	1350	1820	2660
27	2470	1470	1070	1450	10100	7660	6570	6890	2450	1460	1780	3010
28	2290	1460	1060	1520	9080	7940	6330	9190	2230	1620	1790	2950
29	2180	1550	1100	1550	---	8800	5970	10900	1970	1650	1790	2740
30	2100	1690	1230	1880	---	9480	5620	12300	1850	1600	1850	2690
31	1990	---	1440	2450	---	9850	---	13300	---	1550	1930	---
TOTAL	64210	50160	43570	56470	158280	272570	233980	199460	235770	48450	52560	72010
MEAN	2071	1672	1405	1822	5653	8793	7799	6434	7859	1563	1695	2400
MAX	2750	2210	2200	2600	13300	14800	9830	13300	14300	1960	1930	3010
MIN	1610	1060	1050	1340	1790	7030	5620	4360	1850	1350	1520	1950
AC-FT	127400	99490	86420	112000	313900	540600	464100	395600	467600	96100	104300	142800

CAL YR 1985 TOTAL 850460 MEAN 2330 MAX 8220 MIN 904 AC-FT 1687000
WTR YR 1986 TOTAL 1487490 MEAN 4075 MAX 14800 MIN 1050 AC-FT 2950000

13257000 MIDDLE FORK WEISER RIVER NEAR MESA, ID

LOCATION.--Lat 44°39'35", long 116°27'14", in SE¼SE¼SE¼ sec. 4, T. 15 N., R. 1 W., Adams County, Hydrologic Unit 17050124, on left bank 4.9 mi south of Council.

DRAINAGE AREA.--86.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to August 1913 (published as "Middle Fork Weiser River at Middle Fork"), September 1919 to October 1921 (fragmentary), May 1937 to September 1949 (record not comparable during irrigation season), February 1981 to September 1982, March 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,900 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 11-16, Nov. 20 to Mar 3. Records good except for estimated daily discharges, which are poor. Numerous diversions upstream for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,710 ft^3/s Dec. 22, 1955, on basis of slope-area measurement. No flow at times in 1937, 1939-41 (entire flow diverted for irrigation).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft^3/s Mar. 7, gage height, 3.79 ft; minimum daily, 24 ft^3/s Aug. 17-21, 24-30.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 11-16, Nov. 20-22)

Oct. 1 to Mar. 4				Mar. 5 to Sept. 30			
1.5	20	2.1	107	1.7	21	2.2	107
1.6	27	2.4	200	1.8	29	2.5	217
1.8	50	2.7	342	2.0	55	3.0	486
						3.5	863

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	58	56	40	110	300	374	289	836	109	36	27
2	25	56	54	40	140	300	328	348	774	102	35	28
3	25	55	62	41	180	290	303	424	716	97	34	27
4	25	54	54	40	160	288	299	485	650	114	33	26
5	26	66	60	39	140	287	300	409	506	131	32	26
6	26	56	58	40	130	282	330	390	557	107	31	25
7	34	76	58	39	120	500	373	352	513	92	31	25
8	31	95	60	35	110	812	445	335	459	88	29	47
9	26	71	52	36	99	627	460	333	415	89	28	55
10	30	65	50	36	100	531	455	338	384	88	27	33
11	31	60	48	36	100	555	435	315	362	89	27	31
12	32	52	45	35	94	493	393	297	342	78	27	29
13	29	47	40	34	90	428	346	305	322	71	27	29
14	29	44	38	32	88	376	312	305	307	66	25	31
15	28	49	35	33	120	320	296	290	294	65	25	31
16	28	55	36	35	190	292	324	285	268	67	25	32
17	28	55	38	50	260	259	293	303	250	71	24	30
18	27	51	38	64	380	232	268	347	242	61	24	37
19	27	41	36	72	340	214	256	428	224	55	24	35
20	27	47	34	66	210	209	296	506	203	48	24	43
21	35	44	36	60	170	212	391	599	189	46	24	38
22	57	40	35	52	260	199	536	487	177	46	25	33
23	96	35	36	54	350	193	543	425	166	44	25	32
24	101	46	38	52	480	307	450	405	159	42	24	38
25	125	60	37	46	470	292	421	452	151	42	24	54
26	119	58	36	40	480	262	366	544	146	42	24	66
27	99	56	37	42	[illegible]	275	342	640	140	42	24	56
28	94	58	36	48	[illegible]	335	342	729	128	41	24	46
29	75	60	37	52	---	392	319	798	122	39	24	42
30	68	58	38	56	---	424	292	850	117	38	24	51
31	62	---	39	76	---	417	---	872	---	37	26	---
TOTAL	1490	1668	1367	1421	6141	10903	10888	13885	10216	2147	836	1103
MEAN	48.1	55.6	44.1	45.8	219	352	363	448	341	69.3	27.0	36.8
MAX	125	95	64	76	480	812	543	872	836	131	36	66
MIN	25	35	34	32	88	193	256	285	117	37	24	25

WTR YR 1986 TOTAL 62068 MEAN 170 MAX 872 MIN 24

13257000 MIDDLE FORK WEISER RIVER NEAR MESA, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1985 to current year.
INSTRUMENTATION.--Temperature recorder since July 1985.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 24.0 °C Aug. 9, 1986; minimum, 0.0 °C on several days during winter months.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 24.0 °C Aug. 9; minimum, 0.0 °C on several days during winter months.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1							---	---	21.0	15.5	19.0	11.5
2							---	---	18.0	13.5	16.0	13.0
3							---	---	21.5	12.5	18.5	10.5
4							---	---	22.0	14.0	19.5	12.0
5							---	---	23.0	16.0	18.0	13.5
6							---	---	23.0	15.0	15.5	13.5
7							---	---	23.0	15.5	14.5	12.5
8							---	---	20.5	14.0	15.0	13.0
9							---	---	20.0	11.5	13.5	11.0
10							---	---	16.0	12.5	15.5	10.0
11							---	---	18.0	11.5	12.0	10.5
12							---	---	20.0	11.0	12.0	10.5
13							---	---	20.0	12.5	13.0	8.5
14							---	---	20.5	12.5	15.5	10.5
15							---	---	21.0	12.0	13.5	10.5
16							---	---	21.0	12.5	13.0	8.0
17							---	---	22.0	13.0	11.0	9.0
18							---	---	21.0	14.5	10.5	7.5
19							---	---	21.5	14.5	11.5	6.5
20							---	---	21.5	14.0	12.0	6.0
21							---	---	20.5	13.0	13.0	8.5
22							---	---	21.0	13.5	12.5	7.5
23							---	---	21.0	12.5	11.0	5.5
24							---	---	22.0	12.5	12.5	6.5
25							---	---	21.5	13.5	12.5	7.0
26							---	---	22.0	15.0	11.5	6.5
27							---	---	22.0	15.5	11.5	7.0
28							---	---	22.0	13.5	9.5	5.0
29							---	---	20.5	13.0	9.0	3.0
30							---	---	20.5	15.0	9.5	3.0
31							22.0	17.5	19.5	13.0	---	---
MONTH							22.0	17.5	23.0	11.0	19.5	3.0
YEAR	23.0	3.0										

WEISER RIVER BASIN

13257000 MIDDLE FORK WEISER RIVER NEAR MESA, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.0	3.5	4.5	3.5	---	---	---	---	1.5	.0	6.0	3.5
2	11.5	6.0	6.0	4.5	---	---	---	---	2.5	1.0	6.0	3.5
3	12.0	8.0	6.0	4.5	---	---	---	---	4.0	2.0	6.0	3.0
4	10.5	5.5	5.5	4.0	---	---	---	---	4.0	2.0	6.0	3.5
5	11.5	5.5	5.0	3.5	---	---	---	---	2.5	1.0	6.0	3.5
6	8.5	6.5	4.5	3.5	---	---	---	---	2.0	.5	6.0	4.0
7	8.0	4.5	5.0	4.0	---	---	---	---	.5	.0	5.5	3.0
8	6.0	2.5	4.5	2.5	---	---	---	---	.0	.0	4.5	3.0
9	5.5	.5	2.5	1.5	.0	.0	---	---	.0	.0	5.5	4.0
10	5.5	.5	2.0	1.0	.0	.0	---	---	.0	.0	6.0	4.0
11	5.5	2.5	2.0	.5	.0	.0	---	---	.0	.0	5.5	4.0
12	7.0	3.0	.5	.0	.0	.0	---	---	.0	.0	5.0	4.0
13	6.0	1.5	.5	.0	.0	.0	---	---	1.0	.0	5.0	3.0
14	6.5	1.0	.5	.0	.0	.0	---	---	2.0	1.0	6.0	3.5
15	8.0	3.0	.5	.0	.0	.0	---	---	2.0	1.5	5.5	2.5
16	7.5	3.5	.5	.0	.0	.0	---	---	2.0	1.0	5.5	4.0
17	7.0	3.0	1.5	.0	.0	.0	---	---	3.5	1.5	6.5	3.5
18	7.5	2.5	1.0	.0	.0	.0	---	---	3.0	1.5	5.5	3.0
19	7.5	3.0	.5	.0	.0	.0	---	---	3.0	2.0	8.0	4.5
20	8.5	5.0	.5	.0	.0	.0	---	---	4.0	2.5	7.5	3.5
21	8.0	6.5	.0	.0	.0	.0	---	---	4.5	3.0	6.0	4.0
22	6.0	3.5	.5	.0	.0	.0	.0	.0	3.5	2.5	6.5	3.5
23	5.5	3.5	.0	.0	.0	.0	.0	.0	3.0	2.5	7.5	3.5
24	6.0	5.0	---	---	.0	.0	.0	.0	5.5	2.5	6.5	4.5
25	6.5	5.5	---	---	.0	.0	.0	.0	5.5	3.5	6.5	3.0
26	7.5	5.5	---	---	.0	.0	.0	.0	5.5	3.5	7.5	3.5
27	7.0	5.0	---	---	.0	.0	.0	.0	5.5	3.0	8.0	4.0
28	6.5	4.5	---	---	---	---	.0	.0	5.5	3.0	8.0	4.5
29	4.5	3.0	---	---	---	---	.0	.0	---	---	8.0	4.5
30	5.0	3.0	---	---	---	---	.0	.0	---	---	7.5	4.5
31	4.5	3.0	---	---	---	---	.0	.0	---	---	6.0	3.0
MONTH	12.0	.5	6.0	.0	.0	.0	.0	.0	5.5	.0	8.0	2.5

WEISER RIVER BASIN

13257000 MIDDLE FORK WEISER RIVER NEAR MESA, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.5	3.5	9.5	4.5	12.5	7.5	19.0	11.5	22.0	14.0	19.0	13.5
2	7.0	3.5	10.5	6.5	12.5	8.0	19.5	13.0	23.0	15.0	20.0	13.0
3	7.5	3.5	8.5	6.0	12.5	8.5	17.5	14.5	23.5	16.0	21.5	13.5
4	7.5	3.5	6.5	5.0	12.5	8.5	14.5	9.5	23.0	15.5	21.5	14.0
5	8.5	4.0	6.5	4.0	11.0	8.5	14.5	8.0	22.5	14.5	21.0	13.5
6	8.5	4.0	6.5	4.0	12.0	7.0	16.5	8.5	23.0	15.0	21.0	14.0
7	9.0	4.5	7.5	4.0	12.0	8.0	18.0	11.0	19.5	16.0	20.5	13.5
8	7.0	5.0	9.5	5.0	11.5	7.5	17.5	13.5	23.5	15.0	17.5	13.0
9	8.0	4.0	9.0	4.5	12.0	7.0	17.5	13.0	24.0	15.5	16.0	11.5
10	8.0	4.5	7.5	5.5	13.0	8.0	15.0	13.5	23.0	16.5	15.5	10.0
11	6.0	3.5	7.0	4.0	14.0	8.5	19.0	12.5	23.5	16.5	16.5	10.5
12	5.5	4.0	9.0	4.0	14.0	9.5	19.0	12.0	22.5	16.5	13.5	10.5
13	5.5	3.0	8.0	6.0	14.5	9.5	19.5	12.5	22.5	15.0	15.5	11.5
14	6.0	3.0	8.5	3.5	14.0	10.0	18.0	13.0	23.0	15.5	15.5	10.5
15	7.0	4.0	8.0	4.0	14.0	9.5	19.0	12.0	23.0	15.5	15.0	10.0
16	7.5	4.5	9.5	4.0	15.5	9.5	14.5	11.5	21.5	15.5	14.0	9.5
17	7.0	4.0	10.5	5.0	16.5	10.5	17.0	9.0	21.5	15.5	11.5	10.0
18	7.5	3.0	11.0	6.5	14.5	11.0	19.0	11.0	23.5	15.5	13.5	9.5
19	9.0	3.5	11.0	6.5	13.5	8.0	21.0	13.0	22.5	16.0	11.5	7.5
20	10.5	5.0	9.5	6.5	14.0	8.0	22.0	14.5	22.5	15.5	9.5	8.0
21	10.5	5.0	7.5	5.0	14.5	9.0	22.0	14.5	22.0	17.0	12.5	7.0
22	9.0	6.0	8.0	4.0	15.5	9.5	22.0	15.0	22.0	14.5	12.0	6.5
23	6.5	4.0	8.5	4.0	17.0	10.5	21.5	14.5	22.5	16.0	11.5	6.0
24	7.0	3.0	11.0	5.0	18.0	11.5	21.5	14.0	23.0	15.5	10.0	9.0
25	6.0	4.0	12.5	6.0	18.5	13.0	21.0	15.0	23.0	15.5	9.0	8.0
26	7.0	3.0	13.0	7.0	18.0	13.0	21.0	14.0	23.5	16.0	8.5	7.0
27	6.5	4.5	13.0	7.0	19.0	13.5	18.5	13.0	23.5	16.0	9.0	6.0
28	7.5	4.0	12.5	7.5	18.5	13.5	20.5	12.5	22.0	16.5	9.5	6.5
29	7.0	4.0	12.5	7.5	18.0	13.0	21.5	14.5	23.0	16.5	8.5	6.0
30	7.5	3.0	12.0	7.5	18.0	11.5	21.5	14.5	20.5	16.0	10.0	7.0
31	---	---	12.5	7.5	---	---	21.5	13.5	19.0	14.5	---	---
MONTH	10.5	3.0	13.0	3.5	19.0	7.0	22.0	8.0	24.0	14.0	21.5	6.0

13258500 WEISER RIVER NEAR CAMBRIDGE, ID

LOCATION.--Lat 44°34'47", long 116°38'20", in SE¼NE¼ sec. 1, T. 14 N., R. 3 W., Washington County, Hydrologic Unit 17050124, on left bank 100 ft upstream from road bridge, 2.2 mi northeast of Cambridge, 2.5 mi upstream from Rush Creek, and at mile 48.7.

DRAINAGE AREA.--605 mi^2. Mean elevation, 4,650 ft.

PERIOD OF RECORD.--March 1939 to current year.

REVISED RECORDS.--WDR ID 1971: 1970(M).

GAGE.--Water-stage recorder. Datum of gage is 2,647.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Aug. 29, 1956, to Aug. 19, 1966, at datum 5.0 ft higher, Aug. 20, 1966, to July 8, 1976, at datum 3.00 ft higher. Apr. 23, 1939, to Dec. 21, 1955, at site 135 ft downstream at different datum. Nonrecording gage at different datum, prior to Apr. 23, 1939, at site 135 ft downstream, and Dec. 22, 1955, to Aug. 28, 1956, at bridge 2.5 mi downstream.

REMARKS.---Estimated daily discharges: Nov. 11-15, 21-24, 27, 28, Dec. 12-20, Jan. 14-21. Records good. Flow regulated to some extent by Lost Valley Reservoir about 57 mi upstream, capacity reported to be 11,000 acre-ft, and other smaller reservoirs. Diversions above station for irrigation of about 12,200 acres (1966 determination).

AVERAGE DISCHARGE.--47 years, 670 ft^3/s, 485,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft^3/s Dec. 22, 1955, gage height, 13.9 ft, from floodmark, site and datum then in use; minimum, 7.1 ft^3/s Aug. 21-24, 1977, gage height, 2.23 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0530	4340	9.78	Mar. 8	1000	*6390	*11.49
Feb. 24	2300	5310	10.63				

Minimum discharge, 46 ft^3/s Aug. 28, gage height, 2.28 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 16-18, Aug. 6-31, Sept. 6, 7, 9, 16, 18, 21, 25-30;
stage-discharge relation affected by ice Nov. 11-15, 21-24, 27, 28, Dec. 12-20, Jan. 14-21)

2.2	49	4.0	340
2.5	71	5.0	710
3.0	121	7.0	1840
3.5	207	9.0	3530
		12.0	7070

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	191	234	159	764	2780	1870	1080	2000	164	91	68
2	152	187	231	162	1100	2790	1660	1140	1800	154	88	75
3	156	183	280	162	1730	2710	1460	1290	1690	144	84	75
4	153	198	320	160	1490	2390	1380	1500	1530	157	81	72
5	151	215	300	155	1170	2190	1360	1380	1400	294	78	70
6	151	206	290	161	898	2100	1390	1380	1440	249	67	66
7	161	217	299	157	711	2880	1490	1280	1270	217	63	66
8	170	310	378	146	583	6090	1660	1200	1130	208	60	76
9	153	277	343	147	478	4810	1840	1170	1010	200	55	185
10	132	262	265	146	507	4050	1830	1200	915	208	58	121
11	108	260	188	146	501	4290	1780	1140	829	214	58	112
12	104	220	155	142	461	3570	1670	1070	753	196	61	108
13	103	200	160	137	448	2930	1510	1050	682	177	60	110
14	100	185	155	125	431	2500	1340	1050	632	166	60	121
15	100	205	140	130	635	2000	1230	1000	610	163	61	120
16	101	263	140	140	1810	1870	1310	907	558	161	62	138
17	102	248	150	165	2700	1650	1230	904	504	188	61	127
18	103	237	150	230	3890	1450	1140	981	452	168	63	151
19	103	185	145	310	3220	1320	1090	1100	430	153	64	129
20	101	194	135	300	1910	1250	1110	1240	375	137	63	137
21	101	190	140	275	1510	1260	1300	1560	340	124	62	146
22	157	170	140	263	2640	1240	1720	1410	317	115	69	124
23	364	145	145	273	4390	1190	2010	1200	285	110	73	113
24	369	185	150	268	4620	1420	1750	1090	262	103	70	115
25	367	272	150	226	4500	1570	1620	1130	243	102	67	169
26	398	257	140	203	4670	1470	1450	1320	231	99	62	204
27	330	240	150	210	3930	1480	1320	1530	225	98	59	191
28	299	250	140	248	3140	1620	1290	1790	192	99	58	185
29	253	258	145	268	---	1910	1210	1960	177	99	59	155
30	224	242	154	286	---	2120	1130	2090	170	97	59	165
31	204	---	157	413	---	2070	---	2080	---	94	63	---
TOTAL	5613	6632	6069	6341	54928	72970	44150	40202	22441	4858	2039	3674
MEAN	181	221	196	205	1962	2354	1472	1297	748	157	65.8	122
MAX	398	310	378	413	4670	6090	2010	2090	2000	294	91	204
MIN	100	145	135	125	431	1190	1090	904	170	94	55	66
AC-FT	11130	13150	12040	12580	108900	144700	87570	79740	44510	9640	4040	7290

CAL YR 1985 TOTAL 169305 MEAN 464 MAX 3100 MIN 59 AC-FT 335800
WTR YR 1986 TOTAL 269917 MEAN 739 MAX 6090 MIN 55 AC-FT 535400

13266000 WEISER RIVER NEAR WEISER, ID

LOCATION.--Lat 44°16'03", long 116°46'16", in NE¼SE¼SE¼ sec. 23, T.11 N., R.4 W., Washington County, Hydrologic Unit 17050124, on right bank 0.25 mi upstream from county road bridge, 2.0 mi downstream from Crane Creek, 10 mi east of Weiser, and at mile 14.9.

DRAINAGE AREA.--1,460 mi^2, approximately.

PERIOD OF RECORD.--March 1890 to June 1891, December 1894 to October 1896, April to September 1897, March 1898 to November 1899, March 1900 to December 1904, October 1910 to December 1914, October 1952 to current year. Published as "at Weiser" prior to 1900.

REVISED RECORDS.--WSP 1347: 1895-1905, 1953(M).

GAGE.--Water-stage recorder. Datum of gage is 2,206.1 ft above National Geodetic Vertical Datum of 1929. Prior to October 1952, nonrecording gages at several sites downstream within 1.5 mi of present site at various datums. October 1952 to January 1974, water-stage recorder 1,000 ft upstream at different datum. January to October 1974, nonrecording gage at nearby sites and different datums.

REMARKS.--Estimated daily discharges: Nov. 11-14, Nov. 22 to Feb. 15, and Feb. 18-20. Records good except for estimated daily discharges and Feb. 21 to June 14, which are fair. Flow slightly regulated since 1911 by Crane Creek Reservoir 14.3 mi upstream, capacity about 51,700 acre-ft, and other small reservoirs. Diversions above station for irrigation of about 30,400 acres (1966 determination).

AVERAGE DISCHARGE.--43 years (1896, 1899, 1901-04, 1912-14, 1953-86), 1,169 ft^3/s, 846,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,000 ft^3/s Feb. 22, 1982, gage height, 12.04 ft; maximum gage height, 16.00 ft Feb. 14, 1979 (ice jam); minimum observed, 14 ft^3/s Aug. 7, 1911, gage height, 2.80 ft, site and datum then in use; minimum gage height, 1.45 ft Nov. 29, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 19, 1932, reached a discharge of about 17,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,000 ft^3/s Feb. 23, gage height, 11.60 ft; minimum daily, 190 ft^3/s Jan. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	234	335	375	240	1060	5130	2660	1530	3640	458	325	377
2	237	320	370	242	2000	4750	2340	1640	3260	444	329	376
3	249	310	460	244	4000	4620	1940	1830	3000	433	326	380
4	241	314	520	240	3500	3930	1840	2150	2730	420	329	378
5	241	313	480	232	2800	3300	1800	2110	2490	504	409	373
6	244	327	460	240	2300	3180	1800	2040	2490	579	410	368
7	251	313	460	235	1750	3780	1990	1920	2200	535	395	362
8	271	391	510	220	1400	8600	2330	1750	1970	499	393	368
9	263	428	600	215	1140	7650	2650	1690	1740	485	387	435
10	242	393	530	215	1190	6570	2600	1670	1560	490	380	486
11	220	375	355	212	1170	7930	2520	1640	1400	506	382	423
12	205	340	235	212	1100	6690	2470	1520	1300	503	378	407
13	203	305	240	200	1190	5890	2300	1440	1160	469	373	403
14	196	285	235	190	1180	5210	2020	1460	1060	447	376	404
15	197	305	210	198	1160	4220	1760	1400	1010	430	375	418
16	194	385	215	208	4030	4440	1840	1290	930	417	376	240
17	195	381	225	245	6880	3930	1740	1250	844	434	376	248
18	194	369	230	600	10500	3230	1550	1320	748	458	372	276
19	193	324	230	485	10500	2760	1390	1550	695	440	364	291
20	191	258	210	465	6590	2470	1380	1820	642	418	363	367
21	191	293	215	440	5210	2360	1590	2270	573	399	358	389
22	218	255	210	390	7540	2250	2160	2350	523	380	361	397
23	384	220	220	400	13300	2030	2760	1930	479	364	375	465
24	536	280	230	390	13300	2230	2560	1720	412	352	380	452
25	503	410	225	340	10900	2500	2340	1720	441	345	379	469
26	605	400	210	330	9230	2250	2110	2000	563	340	371	534
27	535	375	225	300	7610	2200	1900	2420	550	344	361	546
28	475	385	215	370	6010	2330	1900	2930	534	347	353	429
29	431	410	220	400	---	2650	1760	3280	487	346	350	277
30	383	390	230	420	---	2940	1690	3610	475	343	350	271
31	359	---	235	570	---	2960	---	3630	---	334	357	---
TOTAL	9081	10189	9585	9688	138540	124980	61690	60880	39906	13263	11413	11609
MEAN	293	340	309	313	4948	4032	2056	1964	1330	428	368	387
MAX	605	428	600	600	13300	8600	2760	3630	3640	579	410	546
MIN	191	220	210	190	1060	2030	1380	1250	412	334	325	240
AC-FT	18010	20210	19010	19220	274800	247900	122400	120800	79150	26310	22640	23030

CAL YR 1985	TOTAL	288063	MEAN	789	MAX	5280	MIN	191	AC-FT	571400
WTR YR 1986	TOTAL	500824	MEAN	1372	MAX	13300	MIN	190	AC-FT	993400

13269000 SNAKE RIVER AT WEISER, ID

LOCATION.--Lat 44°14'44", long 116°58'48", in NW¼SE¼ sec.31, T.11 N., R.5 W., Washington County, Hydrologic Unit 17050124, on right bank at upstream side of U.S. Highway 30N bridge at Weiser, 0.7 mi downstream from Weiser River, and at mile 351.3.

DRAINAGE AREA.--69,200 mi^2, approximately. Mean elevation, 5,400 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to current year. Fragmentary gage-height record obtained by U.S. Weather Bureau since 1895. Monthly discharge only for October 1910, published in WSP 1317.

REVISED RECORDS.--WSP 1317: 1918. WSP 1567: 1910(M). WDR ID-76-1: 1975.

GAGE.--Water-stage recorder. Datum of gage is 2,086.64 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1914, nonrecording gage 0.2 mi downstream at different datum. Oct. 1, 1914, to Oct. 11, 1933, nonrecording gage, and Oct. 12, 1933, to Apr. 13, 1964, water-stage recorder, at site 0.3 mi upstream at same datum.

REMARKS.--Estimated daily discharges: Dec. 20 to Jan. 21, Feb. 16-18, Mar. 19-28, June 30 to July 2. Records good. Flow regulated by many reservoirs above station. Diurnal fluctuation caused by hydroelectric plants upstream. Diversions above station for irrigation of about 3,650,000 acres, of which about 742,000 acres are irrigated by withdrawals from ground water. In addition, approximately 7,300 acres are irrigated below station by diversions from Weiser River (1966 determination).

AVERAGE DISCHARGE.--76 years, 18,630 ft^3/s, 13,497,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 84,500 ft^3/s Apr. 29, 1952, gage height, 14.67 ft, site and datum then in use; maximum gage height recorded, 15.55 ft Dec. 20, 1972 (backwater from ice jam); minimum observed, 4,570 ft^3/s July 1, 1977, gage height, 1.32 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 3, 1910, reached a stage of 17.1 ft at site and datum 0.3 mi upstream, from reading on old U.S. Weather Bureau gage, discharge, 120,000 ft^3/s. Flood in June 1894 was considerably higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78,500 ft^3/s Feb. 25, gage height, 13.46 ft; minimum, 10,000 ft^3/s Aug. 2, gage height, 2.87 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15000	14200	18200	21400	16400	57000	56800	41200	43000	14500	11400	13200
2	15700	14300	19800	19000	24100	56100	55200	39800	42600	13400	10600	13900
3	15600	14700	19500	19100	25300	54400	55300	40100	41600	13100	10500	14200
4	15200	14400	20300	18000	24800	52800	55500	41700	43100	12600	10300	14400
5	15100	14500	20500	17200	23100	51300	55500	43600	43600	13600	10900	14200
6	14900	14400	18800	17500	21800	49000	55500	43100	45100	14300	11000	14100
7	14800	13900	17100	17700	19800	51000	55500	43100	44400	14300	11100	14100
8	15200	16400	17200	17300	18100	58600	55500	43200	45400	13800	11100	14400
9	15700	15700	15200	17500	17400	66100	54900	42500	44200	14100	11100	15400
10	16100	15900	14400	17600	17000	66700	51400	43900	43500	13600	11400	16700
11	16100	15000	16400	17200	16500	69900	48000	44400	41600	13600	11600	16200
12	15900	15400	16200	17100	17600	68700	46800	44400	41900	11800	11200	16000
13	16200	14800	15600	17000	18000	67100	47600	44400	42000	11800	11100	15800
14	15800	14900	15000	17600	18300	64400	47500	43400	41800	11800	11400	16500
15	16100	16200	16200	17100	20800	61900	46300	43100	39000	11200	10900	16400
16	16400	14300	16500	17200	22700	60400	47300	41800	39000	11200	11000	16000
17	16700	14200	17100	20000	26000	60300	49000	40000	36700	12000	11600	15800
18	16600	17800	19100	20200	47000	54200	48400	38900	34800	12100	11700	16400
19	16000	17400	19600	21000	58900	45500	47000	38700	32600	11300	12100	16400
20	15100	16300	18300	20000	62100	40000	46600	39000	30100	10900	11600	17100
21	15100	16300	16000	19000	63700	37500	46500	39700	28600	11000	11900	17300
22	14900	14900	16300	19400	64800	37000	45500	40100	28400	11500	12900	17200
23	15100	14300	18200	19500	63600	44500	46900	37200	28300	10500	13400	17400
24	15300	14900	17000	17400	74000	52500	46800	33900	27700	10600	13500	17500
25	15800	14700	17900	16800	78100	54500	43400	32000	27200	10700	12600	17600
26	16000	14600	19000	17000	75900	55800	40600	33500	26400	10500	12100	17900
27	16200	15000	17200	17000	68800	56000	41800	36100	23200	10900	12900	19900
28	15900	15400	18200	17200	60600	55800	42000	38400	20600	11600	13000	19300
29	15500	15900	19500	17800	---	54100	40800	40400	18300	11900	12800	20000
30	15200	15900	20800	17400	---	55700	41500	42300	15500	11800	12800	20800
31	14700	---	21500	18200	---	58100	---	42300	---	11400	13300	---
TOTAL	483900	458600	552600	562800	1065200	1715800	1461400	1256200	1060200	377400	364800	492100
MEAN	15610	15290	17830	18150	38040	55350	48710	40520	35340	12170	11770	16400
MAX	16700	17800	21500	21400	78100	69900	56800	44400	45400	14500	13500	20800
MIN	14700	14200	14400	16800	16400	37000	40600	32000	15500	10500	10300	13200
AC-FT	959800	909600	1096000	1116000	2113000	3403000	2899000	2492000	2103000	748600	723600	976100

CAL YR 1985 TOTAL 6742910 MEAN 18470 MAX 41400 MIN 6750 AC-FT 13375000
WTR YR 1986 TOTAL 9851000 MEAN 26990 MAX 78100 MIN 10300 AC-FT 19539000

13269000 SNAKE RIVER AT WEISER, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to 1986 (discontinued).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June 1967 to December 1981 (discontinued).
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28.5 °C July 25-28, 1975, July 21, 1977; minimum, 0.0 °C on several days during winter months.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
NOV											
18...	1450	18400	544	8.70	6.0	13.0	13.2	106	K9	220	160
MAR											
31...	1600	57000	314	8.50	21.5	11.0	10.6	101	48	120	120
MAY											
23...	1230	38100	332	8.90	22.0	13.0	10.7	104	170	230	130
JUL											
14...	1700	11700	439	8.80	32.0	22.5	11.2	135	88	110	150
SEP											
22...	1600	17200	475	8.60	22.0	14.5	10.4	110	57	K100	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV										
18...	38	15	32	30	4.8	187	55	25	0.4	25
MAR										
31...	30	9.8	18	25	2.9	108	18	10	0.5	23
MAY										
23...	32	11	19	24	2.7	117	32	11	0.5	14
JUL										
14...	37	14	35	33	4.1	152	55	13	0.5	20
SEP										
22...	--	--	--	--	--	159	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
NOV										
18...	314	310	0.43	15600	1.50	0.03	0.6	0.07	0.04	0.03
MAR										
31...	187	180	0.25	28800	0.62	<0.01	0.6	0.10	0.05	0.04
MAY										
23...	202	200	0.27	19700	0.26	0.02	0.8	0.09	0.02	<0.01
JUL										
14...	273	280	0.37	8620	0.82	0.04	1.0	0.13	0.02	0.02
SEP										
22...	--	--	--	--	1.30	0.03	0.7	0.06	0.05	0.04

K Results based on counts outside ideal colony range.

13269000 SNAKE RIVER AT WEISER, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
NOV										
18...	<10	40	<0.5	<1	6	<3	2	5	<1	24
MAR										
31...	70	31	<0.5	<1	1	<3	2	49	2	22
MAY										
23...	20	34	<0.5	<1	<1	<3	3	22	2	22

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV									
18...	5	0.2	<10	2	1	<1	220	7	6
MAR									
31...	6	0.1	<10	8	<1	<1	160	<6	21
MAY									
23...	3	<0.1	<10	1	<1	<1	190	<6	7

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV			
18...	57	2830	31
MAR			
31...	62	9540	76
MAY			
23...	47	4580	80
JUL			
14...	127	4010	94
SEP			
22...	45	2090	75

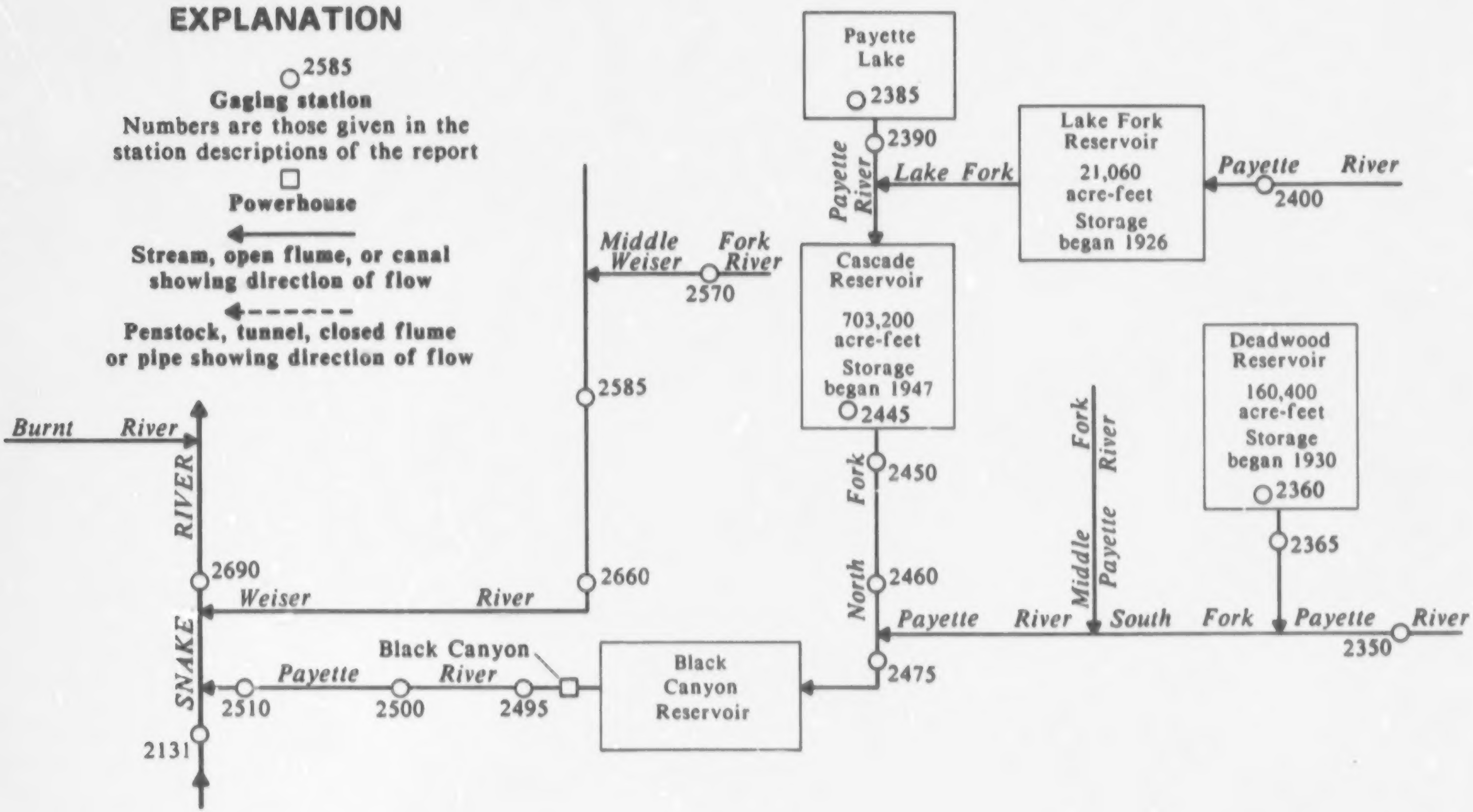
EXPLANATION
2585
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow
Payette Lake
2385
2390
Payette River
Lake Fork
Lake Fork Reservoir
21,060 acre-feet
Storage began 1926
Payette River
2400
Middle Weiser Fork River
2570
Cascade Reservoir
703,200 acre-feet
Storage began 1947
2445
2450
North Fork
2460
2475
Deadwood Reservoir
160,400 acre-feet
Storage began 1930
2360
2365
Middle Fork Payette River
Payette River
South Fork Payette River
2350
2585
2660
Burnt River
SNAKE RIVER
2690
Weiser River
Black Canyon
Payette River
2510
2500
2495
Black Canyon Reservoir
2131

Figure 24.--Gaging stations in the Payette and Weiser River basins.

13289700 BROWNLEE RESERVOIR AT BROWNLEE DAM, IDAHO-OREGON STATE LINE

LOCATION.--Lat 44°50'08", long 116°53'58", in SE¼SE¼ sec.2, T.17 N., R.5 W., Washington County, Hydrologic Unit 17050201, at Brownlee Dam on Snake River near Idaho end of dam, 1.1 mi upstream from Wildhorse River, 3.5 mi downstream from Brownlee Creek, 10.5 mi east of Halfway, Oreg., and at mile 285.0.

DRAINAGE AREA.--72,590 mi², approximately.

PERIOD OF RECORD.--May 1958 to current year. Published as "at Idaho-Oregon State line" 1958-59.

GAGE.--Remote registering water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Idaho Power Co.). Prior to Feb. 2, 1959, nonrecording gage or levels to water surface at present site and datum.

REMARKS.--Reservoir is formed by earthfill dam. Storage began May 5, 1958. Dam was completed in fall of 1958. Normal pool elevation, 2,077 ft. Water is used for power generation.

COOPERATION.--Water-stage recorder graph and capacity table furnished by Idaho Power Co. (Capacity table recomputed 1985.)

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,454,000 acre-ft Aug. 6, 1962, elevation, 2,078.91 ft; minimum since full capacity was attained June 23, 1958, 441,200 acre-ft Apr. 25, 1971, elevation, 1,975.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,435,000 acre-ft June 2, elevation, 2,078.04 ft; minimum, 1,008,000 acre-ft Apr. 16, elevation, 2,043.35 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

2,040.0	973,800
2,060.0	1,194,000
2,080.0	1,465,000

CONTENTS (ACRE-FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1278000	1249000	1265000	1222000	1127000	1341000	1019000	1051000	1426000	1413000	1407000	1403000
2	1281000	1251000	1270000	1221000	1134000	1318000	1016000	1050000	1433000	1409000	1403000	1403000
3	1276000	1260000	1265000	1219000	1145000	1298000	1017000	1050000	1429000	1411000	1407000	1403000
4	1273000	1253000	1271000	1219000	1154000	1277000	1019000	1053000	1430000	1422000	1407000	1406000
5	1281000	1244000	1278000	1218000	1160000	1257000	1014000	1060000	1428000	1412000	1407000	1404000
6	1288000	1243000	1275000	1217000	1162000	1234000	1013000	1086000	1424000	1419000	1405000	1405000
7	1276000	1249000	1280000	1218000	1158000	1223000	1015000	1108000	1424000	1421000	1406000	1402000
8	1270000	1247000	1287000	1216000	1149000	1231000	1010000	1116000	1424000	1416000	1408000	1407000
9	1274000	1247000	1280000	1218000	1135000	1255000	1013000	1121000	1422000	1419000	1406000	1404000
10	1288000	1249000	1273000	1217000	1120000	1269000	1012000	1122000	1419000	1421000	1409000	1403000
11	1289000	1244000	1274000	1217000	1103000	1282000	1012000	1123000	1420000	1418000	1408000	1400000
12	1291000	1244000	1274000	1218000	1090000	1294000	1013000	1124000	1426000	1415000	1410000	1398000
13	1301000	1246000	1273000	1214000	1083000	1293000	1015000	1124000	1427000	1411000	1408000	1403000
14	1301000	1244000	1278000	1211000	1070000	1285000	1013000	1125000	1422000	1404000	1408000	1408000
15	1304000	1242000	1279000	1209000	1057000	1270000	1010000	1127000	1418000	1404000	1411000	1407000
16	1305000	1252000	1268000	1207000	1061000	1251000	1016000	1128000	1421000	1407000	1409000	1395000
17	1293000	1258000	1261000	1200000	1084000	1232000	1017000	1124000	1420000	1407000	1409000	1383000
18	1289000	1266000	1257000	1208000	1121000	1207000	1034000	1127000	1416000	1411000	1409000	1371000
19	1286000	1256000	1248000	1216000	1147000	1177000	1031000	1128000	1417000	1411000	1407000	1360000
20	1278000	1258000	1235000	1217000	1176000	1161000	1032000	1135000	1418000	1416000	1407000	1353000
21	1276000	1259000	1242000	1210000	1197000	1127000	1035000	1156000	1421000	1412000	1408000	1353000
22	1266000	1263000	1238000	1200000	1225000	1101000	1032000	1183000	1426000	1414000	1412000	1345000
23	1271000	1255000	1227000	1193000	1258000	1078000	1036000	1217000	1424000	1413000	1412000	1336000
24	1265000	1256000	1229000	1180000	1309000	1063000	1040000	1235000	1425000	1412000	1407000	1330000
25	1265000	1254000	1237000	1169000	1346000	1049000	1048000	1256000	1426000	1412000	1411000	1341000
26	1271000	1253000	1228000	1159000	1368000	1040000	1046000	1279000	1423000	1409000	1409000	1350000
27	1273000	1254000	1219000	1142000	1375000	1028000	1052000	1307000	1418000	1412000	1408000	1353000
28	1262000	1261000	1206000	1145000	1363000	1015000	1052000	1328000	1417000	1411000	1408000	1361000
29	1261000	1265000	1214000	1143000	---	1017000	1048000	1353000	1419000	1407000	1405000	1367000
30	1259000	1264000	1212000	1129000	---	1016000	1050000	1382000	1415000	1406000	1404000	1367000
31	1257000	---	1215000	1126000	---	1020000	---	1410000	---	1404000	1404000	---
MAX	1305000	1266000	1287000	1222000	1375000	1341000	1052000	1410000	1433000	1422000	1412000	1408000
MIN	1257000	1242000	1206000	1126000	1057000	1015000	1010000	1050000	1415000	1404000	1403000	1330000
(†)	2065.06	2065.61	2061.72	2054.10	2072.98	2044.50	2047.30	2076.30	2076.68	2075.92	2075.88	2073.30
(‡)	-22000	7000	-49000	-89000	237000	-343000	30000	360000	5000	-11000	0	-37000

CAL YR 1985.......(‡) 66000
WTR YR 1986.......(‡) 88000

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13289960 WILDHORSE RIVER AT BROWNLEE DAM, ID

LOCATION.--Lat 44°51'08", long 116°53'41", in NE¼SW¼ sec. 36, T. 18 N., R. 5 W., Adams County, Hydrologic Unit 17050201, on left bank 5 ft downstream from bridge, about 300 ft upstream from mouth, and 1.1 mi north of Brownlee Dam.

DRAINAGE AREA.--177 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,820 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 21, 1986, at site 0.25 mi upstream, at different datum. Records comparable.

REMARKS.--Estimated daily discharges: Nov. 21-23, 26, Dec. 11 to Jan. 8, Jan. 12-14, Mar. 7-26, June 23 to July 16, Aug. 19-21. Records good except for estimated daily discharges, which are fair. Small diversions upstream for irrigation.

AVERAGE DISCHARGE.--8 years, 176 ft^3/s, 127,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,590 ft^3/s Mar. 8, 1986, gage height, 9.07 ft; minimum, 15 ft^3/s Nov. 20, 1979, gage height, 4.68 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,590 ft^3/s Mar. 8, gage height, 9.07 ft, from floodmarks; minimum, 24 ft^3/s Nov. 23, gage height, 4.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	37	38	31	199	753	553	283	528	68	37	28
2	52	37	39	30	219	804	486	279	449	65	37	28
3	50	37	47	31	213	912	444	315	405	64	36	28
4	46	38	46	30	186	844	408	429	372	67	35	26
5	44	43	45	31	173	822	380	389	372	68	34	28
6	41	40	46	32	157	859	382	383	378	67	32	28
7	47	42	47	31	131	1030	404	387	355	66	32	29
8	44	69	48	30	125	1740	445	337	309	65	34	31
9	38	59	44	30	122	1520	510	315	287	64	32	35
10	36	52	42	30	125	1320	515	310	248	63	31	31
11	37	52	35	30	133	1270	493	285	213	63	31	31
12	35	44	37	30	129	1100	460	283	185	66	30	31
13	33	44	40	29	132	801	403	252	182	65	31	31
14	31	60	41	29	132	711	357	247	171	63	30	31
15	28	45	39	30	174	587	318	237	159	60	28	31
16	29	49	39	30	337	579	346	225	140	63	29	33
17	28	46	38	37	375	520	310	218	125	68	29	32
18	29	46	38	39	383	460	284	226	108	58	29	34
19	28	41	37	40	375	415	265	254	104	55	28	36
20	28	44	37	48	359	410	259	318	98	52	28	42
21	28	42	36	46	335	430	301	443	94	51	28	46
22	34	41	35	44	352	435	535	414	90	49	28	40
23	39	29	36	45	582	425	605	344	85	47	27	37
24	42	46	34	43	805	445	516	300	82	45	28	38
25	48	58	32	41	830	460	469	287	80	42	28	47
26	51	51	30	42	929	450	409	349	78	42	28	48
27	46	56	29	42	879	450	387	446	77	41	28	44
28	44	44	28	42	734	502	359	547	75	41	26	41
29	42	41	29	44	---	583	331	574	74	40	27	40
30	39	39	26	70	---	634	304	624	72	39	28	41
31	37	---	27	119	---	594	---	581	---	38	28	---
TOTAL	1212	1370	1165	1224	9636	23580	12228	10871	5985	1745	940	1050
MEAN	39.1	45.7	37.6	39.5	344	761	408	351	200	56.3	30.3	35.0
MAX	54	69	48	119	929	1740	605	624	528	68	37	48
MIN	28	29	26	29	122	410	259	218	72	38	27	26
AC-FT	2400	2720	2310	2430	19110	46770	24250	21560	11870	3460	1860	2080

CAL YR 1985	TOTAL	34902	MEAN	95.6	MAX	804	MIN	18	AC-FT 69233
WTR YR 1986	TOTAL	71006	MEAN	195	MAX	1740	MIN	26	AC-FT 140800

13290190 PINE CREEK NEAR OXBOW, OR

LOCATION.--Lat 44°57'13", long 116°52'21", in NE¼SW¼ sec. 17, T. 7 S., R. 48 E., Baker County, Hydrologic Unit 17050201, 1.8 mi south of Oxbow, and at mile 1.8.

DRAINAGE AREA.--230 mi^2, approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,850.48 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Power Co.). Prior to Aug. 24, 1967, nonrecording gage at site 1.7 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 18 to Jan. 18. Records good. Diversions above station for irrigation of about 10,000 acres (1966 determination).

AVERAGE DISCHARGE.--19 years, 388 ft^3/s, 281,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,110 ft^3/s Feb. 21, 1968, gage height, 9.82 ft; minimum, 10 ft^3/s Aug. 17-24, 1977, gage height, 2.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,460 ft^3/s Feb. 23, gage height, 8.74 ft; minimum, 29 ft^3/s Aug. 28, 29, gage height, 2.46 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 22 to Apr. 16;
stage-discharge relation affected by ice Dec. 18 to Jan. 18)

2.4	30	3.5	207	5.0	845
2.7	58	4.0	382	6.0	1580
3.0	100	4.5	573	7.0	2630
				8.0	4010

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	120	128	110	405	1360	780	514	1910	163	42	39
2	66	124	132	107	575	1410	638	534	1640	141	41	43
3	64	125	156	114	614	1350	618	580	1430	127	41	38
4	62	121	179	105	578	1190	603	680	1370	116	41	34
5	62	131	165	108	554	1110	585	633	1380	116	40	33
6	62	127	162	112	480	1100	623	648	980	118	40	32
7	74	151	165	108	418	2330	679	588	875	114	40	32
8	74	188	176	108	362	3350	754	588	785	110	40	38
9	70	162	168	108	315	2470	860	573	687	104	38	41
10	73	160	144	111	284	1950	848	568	654	102	37	42
11	74	157	104	109	276	1500	782	530	637	102	36	41
12	75	148	128	106	257	1460	718	481	623	100	36	42
13	73	138	129	104	246	1220	632	474	597	85	36	48
14	73	130	131	106	244	1060	565	474	558	88	36	50
15	73	130	124	108	345	886	518	436	546	84	36	52
16	73	165	122	117	1170	855	520	404	498	82	36	56
17	72	141	122	160	1860	754	506	394	453	84	36	62
18	70	130	122	149	1870	652	470	433	425	84	36	84
19	69	115	120	158	1320	598	451	502	381	82	36	80
20	68	140	118	164	873	578	452	816	348	78	35	115
21	72	130	112	152	724	601	529	1030	303	72	36	114
22	110	137	110	151	1320	605	1050	854	288	65	38	93
23	156	94	112	153	3450	587	1140	668	247	63	36	81
24	135	131	108	147	2940	631	884	578	234	58	34	109
25	148	171	106	143	2290	849	780	605	220	52	32	115
26	162	140	100	138	2140	614	674	787	211	50	32	125
27	152	137	85	143	1780	627	645	1140	202	48	31	113
28	145	140	93	149	1490	724	632	1540	185	47	30	101
29	136	145	94	167	---	889	56[illegible]	1700	186	45	31	94
30	130	133	88	236	---	889	54[illegible]	1870	176	46	32	102
31	123	---	90	353	---	883	---	1900	---	43	36	---
TOTAL	2862	4181	3893	4304	29180	35082	20175	23540	19020	2671	1127	2049
MEAN	92.3	139	126	139	1042	1132	672	759	634	86.2	36.4	68.3
MAX	162	188	179	353	3450	3350	1140	1900	1910	163	42	125
MIN	62	94	85	104	244	578	451	394	176	43	30	32
AC-FT	5680	8290	7720	8540	57900	69590	40020	46690	37730	5300	2240	4060

13290450 SNAKE RIVER AT HELLS CANYON DAM, IDAHO-OREGON STATE LINE

LOCATION.--Lat 45°15'05", long 116°41'50", in SE¼SE¼ sec. 33, T. 3 S., R. 48 E., unsurveyed (Willamette Meridian), Wallowa County, Hydrologic Unit 17050201, Wallowa-Whitman National Forest, on left bank 0.2 mi upstream from Hells Canyon Creek, 0.4 mi downstream from Deep Creek, 0.6 mi downstream from Hells Canyon Dam, 15.5 mi northeast of Homestead, Oreg., and at mile 247.0.

DRAINAGE AREA.--73,300 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to current year.

REVISED RECORDS.--WDR ID-78-2: 1968-70, 1972-76, WDR ID-78-2: 1972-73(m).

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Power Company).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by many reservoirs above station, with a total usable capacity of more than 10,000,000 acre-ft, the most effective of which is Brownlee Reservoir 38 mi upstream (see sta 13288700). Diurnal fluctuations caused by Hells Canyon powerplant. Diversions above station for irrigation of about 3,820,000 acres, of which 742,000 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--21 years, 22,880 ft³/s, 15,430,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 87,800 ft³/s Feb. 23, 1982, gage height, 84.05 ft; minimum, 1,500 ft³/s Mar. 19, 1967, gage height, 58.8 ft; minimum daily, 4,380 ft³/s May 8, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78,600 ft³/s Feb. 28, gage height, 82.26 ft; minimum, 7,020 ft³/s July 19, gage height, 64.31 ft; minimum daily, 8,680 ft³/s Aug. 5.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

64.0	7020	71.0	25000
67.0	13700	76.0	46000
		82.0	77100

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18100	16200	18400	11500	21500	75000	60600	43100	41400	17700	11500	14000
2	14600	16600	19000	16100	25000	75200	60400	43000	47100	17000	12100	14800
3	16800	13400	18100	17100	24200	72800	57800	42100	50000	14400	10100	15200
4	19000	14800	18100	19000	26400	68600	59000	42000	49100	11500	13500	13800
5	12600	18800	18100	20000	23500	67800	58800	42800	48500	12800	8680	14300
6	14500	17000	19000	20500	23400	64800	58800	33400	53100	12400	8880	14100
7	17000	18500	18300	17300	25000	64800	54100	35400	50000	15800	8940	15300
8	17800	15100	14300	21200	23300	65200	58500	41000	48500	14900	11200	14400
9	15700	15700	17500	17800	25800	64800	58400	43100	50400	15100	10300	17500
10	13100	16800	19200	18100	26800	66600	58800	46000	47800	13300	10400	17700
11	14750	16700	19200	18600	28200	70500	50800	45400	44800	15500	12300	18200
12	13400	16800	18800	16800	25800	72100	50200	46700	42000	14800	10400	18500
13	11800	15400	17800	19000	26000	75200	48500	46700	45100	14500	10700	15400
14	15200	15100	14100	18100	25000	75300	52800	45800	45700	16500	11900	12200
15	15400	16800	11300	19700	26800	75400	51800	44800	44200	12400	11500	16800
16	17700	14800	17000	18300	28300	75300	48400	44000	43800	12800	11300	24000
17	18100	11900	18200	21800	29100	75300	48400	42400	40300	10500	10800	23800
18	18100	14300	20700	20800	34500	72000	45200	40800	38200	11900	12400	24600
19	18400	16730	22800	21100	50000	65000	49000	40800	33400	11500	13800	21900
20	19000	16800	18200	22200	52700	58800	48200	38000	32700	9040	10800	22100
21	18800	16700	10400	23000	55000	58100	46600	33300	30300	11200	13800	19800
22	18100	15800	15700	24700	55100	54800	50400	28800	27800	11100	11500	21400
23	15800	16300	18400	25400	55300	54800	50200	25800	28400	11800	13400	21900
24	17500	18300	18300	26200	60300	58800	47200	25000	30200	10800	15100	24100
25	18100	16800	10400	25400	68800	62000	43500	24800	32800	10400	12700	11800
26	15500	16700	14100	23700	72800	62100	42800	25100	28000	10200	14300	11800
27	14700	15600	15500	25600	75000	62100	44100	28500	28800	9750	13500	22900
28	18200	12400	20000	19300	75200	62100	42800	33000	22700	12200	13700	20000
29	18100	14600	14900	20600	---	58300	44400	33100	18100	13100	15800	19800
30	17700	15600	14800	23600	---	58700	43300	34700	18800	12800	12400	18100
31	17500	---	13700	23500	---	58700	---	35800	---	12800	14300	---
TOTAL	516000	471200	525100	638000	1088100	2056500	1530600	1174800	1162700	399790	373580	542600
MEAN	16650	15710	16940	20610	38860	66340	51020	37900	38760	12900	12050	18090
MAX	19200	17000	22800	26200	75200	75400	60600	46700	53100	17700	15900	24600
MIN	11800	11900	10400	11500	21500	54800	42800	24800	18100	9040	8680	11800
AC-FT	1023000	934600	1042000	1267000	2158000	4079000	3036000	2330000	2306000	793000	741000	1076000

CAL YR 1985	TOTAL	7267730	MEAN	19910	MAX	47100	MIN	7980	AC-FT	14416000
WTR YR 1986	TOTAL	10478870	MEAN	28710	MAX	75400	MIN	8680	AC-FT	20787000

13290450 SNAKE RIVER AT HELLS CANYON DAM, IDAHO-OREGON STATE LINE--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1970 to 1986 (discontinued).
REMARKS.--Miscellaneous chemical data published for water year 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, AIR (DEG C)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
NOV											
20...	1300	18100	475	8.20	2.0	9.0	9.4	85	K1	<1	170
MAR											
27...	1600	63700	280	8.10	10.5	9.0	14.2	130	K4	K15	100
MAY											
21...	1315	33100	307	8.60	13.0	13.5	12.6	.27	K2	K1	120
SEP											
23...	1800	22200	448	8.00	22.5	18.5	3.7	43	<1	K4	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
NOV										
20...	41	17	38	32	4.7	167	50	22	0.5	26
MAR										
27...	27	8.9	18	27	3.1	105	17	9.8	0.4	25
MAY										
21...	31	9.9	17	23	2.7	111	29	10	0.4	15
SEP										
23...	--	--	--	--	--	146	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
NOV										
20...	279	310	0.38	14400	1.10	0.20	0.6	0.06	0.06	0.06
MAR										
27...	182	170	0.28	33000	0.75	0.04	0.6	0.11	0.07	0.06
MAY										
21...	182	180	0.28	17200	0.26	0.10	0.5	0.05	0.01	0.02
SEP										
23...	--	--	--	--	1.00	0.08	0.8	0.07	0.08	0.08

K Results based on counts outside ideal colony range.

13290450 SNAKE RIVER AT HELLS CANYON DAM, IDAHO-OREGON STATE LINE--Continued

WATER QUALIYY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
NOV										
20...	<10	43	<0.5	--	2	<3	2	<3	<1	28
MAR										
27...	90	28	<0.5	3	1	<3	4	53	4	16
MAY										
21...	10	32	<0.5	<1	1	<3	1	10	1	19

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV									
20...	2	<0.1	10	2	1	<1	250	9	9
MAR									
27...	5	0.1	<10	2	<1	<1	150	<6	23
MAY									
21...	<1	<0.1	<10	1	<1	<1	170	<6	8

13296500 SALMON RIVER BELOW YANKEE FORK, NEAR CLAYTON, ID

LOCATION.--Lat 44°16'06", long 114°43'55", in sec.20, T.11 N., R.15 E. (unsurveyed), Custer County, Challis National Forest, on left bank 700 ft downstream from Yankee Fork, 18 mi upstream from Clayton, and at mile 368.0.

DRAINAGE AREA.--802 mi². Mean elevation, 7,780 ft.

PERIOD OF RECORD.--October 1921 to September 1986 (discontinued). Monthly discharge only for some periods, published in WSP 1317. Operated as high-flow station only 1972-76 (discharge for period October 1976 to April 1977 was estimated).

REVISED RECORDS.--WSP 1347: 1931. WSP 1567: Drainage area. WDR ID-77-1: 1974-76(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft, by barometer. Oct. 3, 1928, to Nov. 3, 1934, at site 200 ft downstream at approximately present datum. Prior to Oct. 3, 1928, nonrecording gage at site 200 ft downstream at datum approximately 1.5 ft higher.

REMARKS.--Estimated daily discharges: Dec. 27-30, Apr. 22-26, May 3-7, 20-27. Records good. Diversions above station for irrigation of about 4,400 acres (1966 determination).

AVERAGE DISCHARGE.--61 years, 1,015 ft³/s, 17.19 in./yr, 735,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s June 17, 1974, gage height, 11.88 ft; minimum, 180 ft³/s, estimated, Nov. 25-30, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,350 ft³/s and maximum (*).

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 23	unknown	3850	unknown	June 1	2315	*8540	10.55
May 4	unknown	3500	unknown				

Minimum discharge, 324 ft³/s Jan. 25, Feb. 7, gage height, 1.77 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 27-30;
shifting-control method used May 27 to June 27)

1.8	354	5.0	2180
2.0	428	7.0	4000
3.0	870	9.0	6210
4.0	1450	11.0	8900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	548	601	472	478	456	607	1170	1780	8310	2230	787	583
2	547	594	478	428	450	622	1080	2010	8360	2060	775	610
3	535	580	484	451	455	635	1010	2380	8190	1990	753	572
4	522	570	448	400	438	641	1030	2820	8080	2020	738	558
5	521	627	473	428	437	650	1080	2770	8210	2020	713	546
6	518	590	477	440	420	648	1170	2570	7650	1820	699	539
7	503	600	493	412	367	674	1380	2350	6530	1660	692	534
8	501	623	488	417	378	654	1510	2140	6150	1820	684	661
9	525	511	483	462	384	619	1500	1980	5420	1640	677	848
10	546	509	424	455	428	730	1610	2050	4850	1580	692	707
11	578	568	414	428	422	713	1840	1810	4730	1530	661	858
12	584	548	414	388	411	680	1560	1710	4730	1470	642	627
13	542	502	460	407	424	633	1390	1720	4700	1380	632	616
14	542	504	450	407	427	622	1280	1730	4680	1340	628	631
15	548	501	447	434	470	600	1250	1630	4680	1280	611	690
16	548	544	448	440	478	594	1240	1590	4520	1270	605	684
17	538	540	448	454	480	578	1170	1610	4380	1230	613	653
18	527	525	462	454	479	553	1110	1740	4380	1160	586	728
19	525	471	454	464	488	562	1130	2180	4180	1110	578	707
20	523	485	458	480	484	565	1380	2800	3780	1080	575	762
21	540	483	487	442	474	588	1840	3500	3480	1030	673	754
22	601	484	465	415	490	621	2300	3000	3110	991	690	687
23	616	418	470	451	500	635	2820	2700	2920	971	714	671
24	729	421	485	445	529	682	2740	2500	2850	947	661	665
25	741	481	483	383	580	655	2550	2700	2820	939	618	699
26	688	486	[illegible]	[illegible]	614	642	2390	3700	2770	928	585	701
27	688	482	460	431	606	663	2190	5000	2710	902	574	734
28	658	488	440	434	587	615	2150	6180	2630	875	584	725
29	624	484	435	487	---	695	2030	7130	2550	844	577	702
30	628	470	445	474	---	1130	1800	7800	2390	828	642	717
31	611	---	453	458	---	1230	---	8250	---	818	634	---
TOTAL	18001	15721	14250	13578	13132	21061	48800	94040	144650	41533	20282	19851
MEAN	581	524	460	438	469	680	1620	3034	4822	1340	654	662
MAX	741	627	493	478	614	1230	2820	8250	8360	2230	787	848
MIN	518	418	414	383	367	553	1010	1590	2390	818	564	530
CFSM	.72	.65	.57	.55	.58	.85	2.02	3.78	6.01	1.67	.82	.83
IN.	.83	.73	.66	.63	.61	1.00	2.25	4.36	6.71	1.93	.94	.92
AC-FT	35700	31180	28260	26930	26050	42960	96800	186500	286900	82380	40230	39370

CAL YR 1985 TOTAL 321851 MEAN 881 MAX 3080 MIN 375 CFSM 1.10 IN. 14.92 AC-FT 637900
WTR YR 1986 TOTAL 465365 MEAN 1275 MAX 8360 MIN 367 CFSM 1.59 IN. 21.59 AC-FT 923100

13297330 THOMPSON CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'01", long 114°30'48", in NE¼NE¼SE¼ sec. 24, T. 11 N., R. 16 E., Custer County, Hydrologic Unit 17060201, on right bank 1.2 mi upstream from mouth, 2.2 mi below Pat Hughes Creek, and 5.7 mi west of Clayton.

DRAINAGE AREA.--29.1 mi^2.

PERIOD OF RECORD.--November 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,700 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 13, 1982, recording gage at site 200 ft upstream at datum 2 ft higher.

REMARKS.--Estimated daily discharges: Nov. 21 to Dec. 3, Dec. 9-17, Dec. 25 to Jan. 5, Jan. 7, 11-16, 25-27, Feb. 7-12 May 27 to June 3. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--14 years, 10.4 ft^3/s, 9.05 in./yr, 14,060 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 332 ft^3/s June 16, 1974, gage height, 5.61 ft from floodmark; minimum, 1.0 ft^3/s Mar. 16, 1980, gage height, 3.73 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 80 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 23	0615	118	2.89	May 21	1030	122	2.99
May 4	1500	93	2.77	May 30	2130	*315	*3.83

Minimum daily discharge, 3.0 ft^3/s Nov. 9.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 21-24; stage-discharge relation affected by ice
Nov. 21 to Dec. 3, Dec. 9-17, Dec. 25 to Jan. 5, Jan. 7, 11-16, 25-27, Feb. 7-12)

1.85	1.8	2.5	46
1.9	3.1	3.0	120
2.0	6.8	3.5	226
2.2	18	4.0	366

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7.1	4.7	4.0	5.5	16	61	59	226	25	9.2	6.8
2	5.3	6.8	4.7	4.4	5.5	19	53	64	214	24	9.1	6.8
3	5.5	6.6	4.9	4.8	5.5	20	45	81	164	23	8.9	6.7
4	5.1	6.4	4.9	4.7	5.5	21	43	90	161	23	9.1	6.3
5	4.9	6.4	5.1	4.6	6.0	21	43	86	144	22	8.7	5.9
6	4.8	6.4	5.1	4.7	5.1	22	47	76	115	21	8.6	5.5
7	5.0	6.4	5.1	5.0	4.9	22	50	67	96	19	8.2	5.5
8	5.1	6.1	5.4	4.8	4.8	26	66	61	88	20	8.0	6.8
9	4.2	3.0	5.5	4.5	5.2	27	63	59	83	21	8.1	9.9
10	5.0	4.7	5.8	4.4	5.7	24	63	57	78	19	7.2	7.6
11	5.9	5.6	5.0	4.2	6.0	22	65	56	79	18	7.5	6.7
12	5.9	5.5	4.5	4.1	6.2	21	63	55	79	18	7.9	6.4
13	5.4	3.8	4.1	4.0	6.4	20	57	55	77	18	7.7	6.4
14	5.1	4.1	4.1	4.3	6.7	19	48	52	75	16	7.7	6.4
15	5.1	5.4	4.0	4.0	6.8	18	43	52	74	15	7.6	6.4
16	5.1	6.8	4.4	4.2	6.8	18	41	51	69	15	7.2	6.4
17	5.1	6.8	4.6	5.0	6.8	18	40	51	65	14	7.4	6.4
18	5.1	6.4	4.8	5.1	7.0	16	40	53	62	14	7.1	6.4
19	5.1	4.6	4.7	4.8	7.9	18	40	66	58	14	6.8	6.4
20	5.1	5.2	4.6	4.8	7.7	16	43	86	52	13	6.8	6.8
21	5.1	5.2	4.5	4.7	7.2	21	66	105	48	13	7.9	6.8
22	5.1	5.1	4.7	4.6	7.2	24	81	85	44	11	8.6	6.8
23	5.1	4.9	4.5	4.8	7.6	25	113	71	41	11	9.3	6.8
24	5.7	5.1	4.4	4.8	9.3	26	99	67	38	11	8.5	6.8
25	6.4	5.5	4.4	4.7	11	26	89	74	38	11	7.3	6.8
26	6.4	5.4	4.4	4.7	14	26	70	97	38	11	6.4	6.8
27	6.8	5.2	4.2	5.3	15	26	68	127	33	11	6.4	6.8
28	8.2	5.0	4.1	5.1	15	33	63	160	31	11	6.4	6.8
29	8.2	4.9	3.9	5.1	---	51	61	182	29	9.9	6.4	6.8
30	7.6	4.8	3.7	5.8	---	60	60	252	27	9.7	6.8	6.8
31	7.3	---	3.5	5.5	---	64	---	278	---	9.6	7.5	---
TOTAL	174.8	165.2	142.1	145.3	208.3	790	1802	2775	2425	489.2	240.3	200.5
MEAN	5.64	5.51	4.58	4.69	7.44	25.5	60.1	89.5	80.8	15.8	7.75	6.68
MAX	8.2	7.1	5.8	5.8	15	64	113	278	226	25	9.3	9.9
MIN	4.2	3.0	3.5	4.0	4.8	16	40	51	27	9.6	6.4	5.5
CFSM	.19	.19	.16	.16	.26	.88	2.07	3.08	2.78	.54	.27	.23
IN.	.22	.21	.18	.19	.27	1.01	2.30	3.55	3.10	.63	.31	.26
AC-FT	347	328	282	288	413	1570	3570	5500	4810	970	477	398

CAL YR 1985	TOTAL	5096.9	MEAN	14.0	MAX	66	MIN	3.0	CFSM	.48	IN.	6.52	AC-FT	10110
WTR YR 1986	TOTAL	9557.7	MEAN	26.2	MAX	278	MIN	3.0	CFSM	.90	IN.	12.22	AC-FT	18960

13297350 BRUNO CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°17'56", long 114°26'50", in SW¼NE¼ sec. 6, T. 11 N., R. 17 E., Custer County, Hydrologic Unit 17060201, U.S. Bureau of Land Management lands, on left bank 0.2 mi upstream from mouth, and 4.8 mi northwest of Clayton.

DRAINAGE AREA.--6.29 mi^2.

PERIOD OF RECORD.--April 1971 to current year.

REVISED RECORDS.--WDR ID-76-1: 1974-75(P).

GAGE.--Water-stage recorder and cipolletti weir since 1976. Elevation of gage is 5,840 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 5 to Dec. 20, Feb. 8-23. Records good except for estimated daily discharges, which are fair. Flow affected at times by diversions from stream or by return flow from ground-water pumpage at mine about 2 mi upstream.

AVERAGE DISCHARGE.--15 years, 1.70 ft^3/s, 3.67 in./yr, 1,232 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42 ft^3/s May 31, 1972, gage height, 2.45 ft; no flow Dec. 14, 1980, to Feb. 20, 1981, Mar. 4 to Apr. 10, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22 ft^3/s June 2, 3, gage height, 3.21 ft; minimum, 0.20 ft^3/s Oct. 22, 23, gage height, 2.19 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 29 to June 8; stage-discharge relation affected by ice Feb. 8-23)

2.15	0.12	2.50	2.7
2.20	.34	2.70	5.0
2.30	.96	3.0	9.9
		3.3	20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	.39	.35	.40	.39	.56	1.3	3.5	19	2.6	.68	.50
2	.48	.39	.36	.39	.39	.56	1.3	3.7	18	2.5	.69	.50
3	.45	.39	.37	.39	.39	.61	1.3	4.3	18	2.4	.69	.50
4	.48	.39	.36	.39	.36	.62	1.3	5.1	18	2.4	.76	.48
5	.48	.39	.35	.40	.34	.62	1.4	4.9	18	2.4	.76	.45
6	.49	.38	.35	.40	.34	.62	1.6	4.9	17	2.3	.76	.50
7	.55	.37	.34	.39	.35	.63	1.8	4.7	15	2.3	.76	.50
8	.55	.36	.33	.39	.38	.69	2.0	4.3	14	2.1	.73	.52
9	.40	.34	.31	.39	.31	.69	2.1	4.1	12	2.0	.67	.56
10	.50	.33	.31	.36	.30	.69	2.2	4.0	11	1.8	.62	.56
11	.50	.34	.30	.34	.31	.69	2.6	3.8	9.0	1.6	.62	.56
12	.50	.35	.31	.34	.32	.69	2.8	3.6	8.2	1.4	.62	.56
13	.50	.36	.32	.34	.36	.66	2.7	3.5	7.4	1.3	.60	.56
14	.48	.37	.33	.37	.40	.62	2.6	3.5	6.8	1.1	.56	.56
15	.46	.36	.34	.39	.44	.62	2.6	3.4	6.3	1.0	.56	.56
16	.48	.37	.35	.39	.47	.62	2.9	3.3	5.8	.99	.56	.56
17	.50	.38	.36	.39	.48	.62	3.1	3.2	5.3	.96	.56	.56
18	.50	.36	.35	.39	.47	.64	3.2	3.4	4.8	.96	.53	.53
19	.50	.36	.34	.39	.46	.62	3.0	4.2	4.5	.90	.50	.52
20	.48	.35	.34	.39	.45	.62	2.8	5.6	4.2	.83	.50	.56
21	.49	.34	.34	.39	.46	.62	2.6	7.0	3.9	.81	.50	.56
22	.39	.33	.34	.35	.47	.62	2.9	7.7	3.7	.73	.50	.56
23	.24	.33	.34	.34	.48	.67	5.4	6.7	3.5	.69	.50	.53
24	.31	.32	.34	.34	.47	.76	5.0	6.5	3.3	.69	.50	.50
25	.34	.32	.34	.34	.45	.76	4.7	7.5	3.2	.69	.50	.50
26	.39	.33	.36	.34	.50	.83	4.3	9.3	2.9	.69	.48	.50
27	.39	.33	.39	.35	.56	.83	4.0	12	2.8	.67	.45	.56
28	.39	.34	.39	.39	.56	.85	3.8	15	2.8	.62	.45	.59
29	.39	.34	.39	.39	---	.93	3.7	17	2.7	.62	.45	.63
30	.39	.34	.39	.39	---	1.1	3.6	18	2.6	.62	.48	.69
31	.39	---	.39	.39	---	1.2	---	19	---	.62	.50	---
TOTAL	13.89	10.65	10.78	11.54	11.66	21.86	84.6	206.7	253.7	41.29	18.04	16.22
MEAN	.45	.35	.35	.38	.42	.71	2.82	6.67	8.46	1.33	.58	.54
MAX	.55	.39	.39	.40	.56	1.2	5.4	19	19	2.6	.76	.69
MIN	.24	.32	.30	.34	.30	.56	1.3	3.2	2.6	.62	.45	.45
AC-FT	28	21	21	23	23	43	168	410	503	82	36	32

CAL YR 1985	TOTAL	327.28	MEAN	.90	MAX	3.9	MIN	.19	AC-FT	649
WTR YR 1986	TOTAL	701.03	MEAN	1.92	MAX	19	MIN	.24	AC-FT	1390

13297355 SQUAW CREEK BELOW BRUNO CREEK, NEAR CLAYTON, ID

LOCATION.--Lat 44°17'26", long 114°28'14", in SW¼SW¼SW¼ sec. 9, T. 11 N., R. 17 E., Custer County, Hydrologic Unit 17060201, on left bank 3 mi upstream from mouth, and 4.5 mi northwest of Clayton.

DRAINAGE AREA.--79.0 mi^2.

PERIOD OF RECORD.--October 1972 to current year.

REVISED RECORDS.--WDR ID-76-1: 1975(P).

GAGE.--Water-stage recorder. Elevation of gage is 5,710 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 12, 1974, at datum 2.46 ft higher.

REMARKS.--Estimated daily discharges: Nov 9-15, Nov. 18 to Jan. 27, Jan. 7-12. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--14 years, 37.9 ft^3/s, 6.52 in./yr, 27,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 755 ft^3/s May 29, 1986, gage height, 6.31 ft; minimum, 3.3 ft^3/s Mar. 11, 1979, gage height, 2.49 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 180 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	2230	*755	*6.31	No other peak greater than base discharge.			

Minimum daily discharge, 6.3 ft^3/s Dec. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	8.4	7.2	11	21	79	71	418	55	19	17
2	11	11	8.3	7.9	11	24	70	81	385	51	19	17
3	11	11	8.8	8.6	11	26	65	103	390	49	18	16
4	11	11	8.9	8.4	11	29	65	111	354	50	19	15
5	11	12	9.0	8.0	10	30	68	104	355	50	18	15
6	11	11	9.2	8.5	10	31	74	88	287	46	17	15
7	12	12	9.2	9.0	9.3	33	88	90	248	43	18	15
8	11	11	10	8.7	9.1	38	93	84	232	44	18	19
9	10	7.5	10	8.0	9.3	35	91	80	201	44	17	22
10	11	10	10	7.8	9.5	32	92	79	186	40	16	18
11	12	11	8.8	7.5	10	30	93	74	181	39	16	16
12	11	11	8.0	7.1	11	28	91	71	182	36	16	16
13	11	8.5	7.4	7.1	11	28	84	72	173	33	15	16
14	11	9.0	7.4	7.7	11	27	77	71	163	32	16	16
15	11	11	7.2	7.2	12	26	73	69	155	31	15	18
16	11	12	8.0	7.5	12	25	71	68	141	30	15	18
17	11	12	8.5	9.0	12	25	69	69	134	30	16	17
18	11	11	8.6	9.6	12	24	66	77	125	29	15	17
19	11	8.3	8.6	9.1	12	24	66	89	113	28	15	18
20	11	9.3	8.3	9.0	12	26	76	127	103	28	15	19
21	11	9.3	8.0	8.9	12	29	101	154	94	26	18	19
22	11	9.0	8.5	8.7	12	33	127	144	88	25	18	18
23	11	8.8	8.0	9.0	12	36	149	119	82	24	20	17
24	12	9.0	8.0	9.2	14	39	127	114	78	23	17	17
25	12	9.8	7.8	9.0	15	38	109	133	74	23	15	17
26	12	9.7	7.8	9.0	18	37	98	172	72	23	15	17
27	12	9.2	7.5	9.8	19	41	86	213	67	22	15	17
28	12	8.9	7.4	9.9	20	54	82	283	65	22	15	18
29	11	8.7	7.0	9.9	---	70	78	378	63	21	15	17
30	12	8.4	6.8	9.9	---	80	72	545	57	21	17	18
31	11	---	6.3	11	---	84	---	483	---	20	19	---
TOTAL	349	301.4	255.7	267.2	338.2	1103	2580	4416	5266	1038	517	515
MEAN	11.3	10.0	8.25	8.62	12.1	35.6	86.0	142	176	33.5	16.7	17.2
MAX	12	12	10	11	20	84	149	545	418	55	20	22
MIN	10	7.5	6.3	7.1	9.1	21	65	68	57	20	15	15
CFSM	.14	.13	.10	.11	.15	.45	1.09	1.80	2.23	.42	.21	.22
IN.	.16	.14	.12	.13	.16	.52	1.21	2.08	2.48	.49	.24	.24
AC-FT	692	598	507	530	671	2190	5120	8760	10450	2060	1030	1020

CAL YR 1985 TOTAL 9451.4 MEAN 25.9 MAX 141 MIN 4.8 CFSM .33 IN. 4.45 AC-FT 18750
WTR YR 1986 TOTAL 16946.5 MEAN 46.4 MAX 545 MIN 6.3 CFSM .59 IN. 7.98 AC-FT 33610

13297450 LITTLE BOULDER CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°05'57", long 114°26'56", in SW¼NE¼NW¼ sec. 22, T. 9 N., R.17 E., Custer County, Hydrologic Unit 17060201, on right bank 950 ft upstream from mouth, and 11 mi south of Clayton.

DRAINAGE AREA.--18.4 mi^2.

PERIOD OF RECORD.--June 1970 to September 1982, February 1983 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 11, Feb. 7-10, July 11-22. Records fair.

AVERAGE DISCHARGE.--15 years (water years 1971-82, 1984-86), 22.5 ft^3/s, 16.61 in./yr, 16,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 570 ft^3/s June 1, 1972, gage height, 5.84 ft; maximum gage height, 5.96 ft, Jan. 31, 1975 (ice jam); minimum discharge, 2.2 ft^3/s Nov. 8, 1977, gage height, 3.34 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 4	0130	*244	5.30

Minimum daily discharge, 2.7 ft^3/s Dec. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.3	4.8	3.2	4.6	10	8.4	19	175	75	19	12
2	10	9.4	4.9	3.4	4.6	9.8	7.9	23	206	69	20	12
3	10	8.9	5.3	3.8	4.8	9.4	7.8	31	229	71	20	12
4	9.8	9.0	6.8	3.9	4.9	8.8	7.8	38	219	74	19	12
5	9.8	8.2	7.6	4.0	4.8	8.2	7.8	36	229	69	19	12
6	9.5	7.0	7.1	4.7	4.7	7.8	8.5	35	167	58	19	12
7	10	7.9	6.6	4.7	4.4	8.1	9.6	34	140	49	17	11
8	10	7.0	6.4	4.8	4.2	9.4	10	31	125	48	17	11
9	9.5	4.8	6.3	4.6	4.3	9.0	10	29	96	47	17	11
10	12	5.9	6.3	4.5	4.4	8.8	11	28	81	47	17	11
11	11	8.7	5.8	4.4	4.5	8.5	11	27	80	43	17	11
12	11	8.3	5.6	4.0	4.1	8.4	11	26	102	41	17	11
13	11	7.2	5.4	3.7	4.4	7.3	10	27	116	38	16	11
14	11	6.9	5.1	3.9	4.6	6.2	9.6	32	121	36	17	11
15	10	7.1	4.7	3.6	5.5	6.5	9.5	32	129	35	17	11
16	9.9	7.9	4.3	3.6	5.8	6.1	9.4	30	128	32	16	11
17	9.6	7.0	4.2	3.6	6.7	5.9	8.8	29	129	31	16	11
18	9.5	6.8	4.1	4.8	5.0	5.4	8.4	32	129	28	16	11
19	9.5	5.5	3.9	5.0	6.9	5.7	8.8	43	123	29	16	11
20	9.2	6.3	3.7	4.9	9.8	5.5	10	60	100	27	15	11
21	9.6	6.3	3.9	4.3	16	5.6	16	77	89	26	14	11
22	9.8	5.7	3.8	4.7	29	5.5	25	74	83	30	15	11
23	11	5.4	3.9	4.6	31	5.4	28	66	83	23	14	11
24	12	5.5	3.7	4.9	26	5.3	27	63	92	21	14	11
25	12	5.8	3.6	4.8	23	5.0	25	71	94	20	14	11
26	12	5.2	3.5	4.6	19	5.2	22	87	97	18	14	11
27	11	5.2	3.2	4.8	14	5.9	20	121	95	20	14	11
28	11	4.9	3.2	4.4	11	7.5	19	146	95	20	13	11
29	10	5.0	3.0	4.3	---	8.6	19	145	92	20	12	11
30	9.8	5.0	3.0	4.5	---	9.5	18	152	84	20	12	11
31	9.1	---	2.7	4.7	---	9.6	---	159	---	19	12	---
TOTAL	319.6	203.1	146.4	133.7	272.0	227.9	404.3	1803	3728	1184	495	336
MEAN	10.3	6.77	4.72	4.31	9.71	7.35	13.5	58.2	124	38.2	16.0	11.2
MAX	12	9.4	7.6	5.0	31	10	28	159	229	75	20	12
MIN	9.1	4.8	2.7	3.2	4.1	5.0	7.8	19	80	18	12	11
CFSM	.56	.37	.26	.23	.53	.40	.73	3.16	6.74	2.08	.87	.61
IN.	.65	.41	.30	.27	.55	.46	.82	3.65	7.54	2.39	1.00	.68
AC-FT	634	403	290	265	540	452	802	3580	7390	2350	982	666

CAL YR 1985 TOTAL 6189.2 MEAN 17.0 MAX 99 MIN 2.7 CFSM .92 IN. 12.51 AC-FT 12280
WTR YR 1986 TOTAL 9253.0 MEAN 25.4 MAX 229 MIN 2.7 CFSM 1.38 IN. 18.71 AC-FT 18350

13301900 PAHSIMEROI RIVER AT DOWTON LANE, NEAR MAY, ID

LOCATION.--Lat 44°37'07", long 113°58'49", in SW¼NE¼ sec. 21, T.15 N., R.21 E., on Custer-Lemhi County line, Hydrologic Unit 17060202, on left bank 10 ft upstream from bridge on Dowton Lane, 3.7 mi west of May, and at mile 9.6.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Staff gage read once daily by Idaho Fish and Game personnel.

REMARKS.--No estimated daily discharges: Records fair. No gage height record, June 2-23, 25, and Aug. 30, 31, 1986. Diversions upstream for irrigation.

EXTREMES FOR CURRENT PERIOD.--May to September 1985: Maximum discharge observed, 262 ft^3/s Sept. 30, gage height, 2.76 ft; minimum observed, 52 ft^3/s May 21, gage height, 1.98 ft.

Water year 1986: Maximum discharge observed, 556 ft^3/s Feb. 27, gage height, 3.30 ft; minimum observed, 49 ft^3/s May 23, gage height, 1.88 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	61	62	69	61
2								---	79	62	67	61
3								---	81	62	65	70
4								---	64	62	65	67
5								---	61	65	62	64
6								---	59	69	69	70
7								---	62	69	76	70
8								---	62	65	69	101
9								---	56	65	62	87
10								---	56	62	65	83
11								---	64	62	65	87
12								---	61	62	65	95
13								---	61	65	69	103
14								---	61	62	76	107
15								---	61	62	79	112
16								---	65	59	69	117
17								---	65	59	65	126
18								---	65	62	62	142
19								---	69	59	72	159
20								---	72	62	72	170
21								52	62	62	62	199
22								55	62	59	72	220
23								55	62	62	72	228
24								55	62	59	65	235
25								55	65	59	69	235
26								55	59	59	72	243
27								56	59	59	70	250
28								59	59	59	74	250
29								62	59	62	67	250
30								62	62	65	61	262
31								62	---	69	61	---
TOTAL								---	1896	1931	2108	4324
MEAN								---	63.2	62.3	68.0	144
MAX								---	81	69	79	262
MIN								---	56	59	61	61
AC-FT								---	3760	3830	4180	8580

13301900 PAHSIMEROI RIVER AT DOWTON LANE, NEAR MAY, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	279	347	254	323	403	258	101	64	110	64	74
2	270	279	367	246	332	398	266	97	---	99	61	64
3	254	287	377	254	332	398	258	92	---	99	61	76
4	254	292	367	270	342	414	250	87	---	92	64	79
5	262	300	347	279	332	414	243	87	---	97	61	83
6	230	309	357	296	314	403	210	76	---	99	64	101
7	250	318	347	296	323	403	203	67	---	103	77	101
8	258	318	347	305	323	347	203	65	---	89	67	105
9	235	328	357	292	332	372	189	65	---	85	45	126
10	262	328	328	300	328	372	174	67	---	85	45	117
11	258	337	318	309	318	342	162	74	---	87	48	107
12	262	318	300	318	328	352	162	74	---	87	45	105
13	243	309	283	309	318	372	162	67	---	89	48	110
14	254	318	283	292	300	332	164	61	---	89	48	110
15	246	318	292	292	318	347	170	58	---	87	48	126
16	246	328	300	292	328	328	177	58	---	87	48	126
17	246	337	283	328	328	328	177	56	---	85	48	126
18	262	347	275	328	337	309	167	55	---	89	51	134
19	246	337	283	318	490	314	174	55	---	79	56	156
20	246	328	300	328	431	296	167	53	---	76	49	167
21	250	328	300	328	377	287	174	53	---	72	61	196
22	250	337	318	318	377	270	167	52	---	67	55	217
23	266	328	328	309	328	275	142	49	---	85	55	217
24	250	318	318	314	431	266	117	52	147	76	55	228
25	250	300	328	305	529	275	117	52	---	72	52	235
26	266	283	314	287	542	283	129	52	124	72	47	235
27	275	275	305	305	556	279	139	51	131	58	49	239
28	270	275	314	323	398	296	139	51	131	58	51	231
29	270	266	305	332	---	305	124	51	126	64	51	239
30	279	318	296	323	---	296	114	53	124	61	---	243
31	287	---	254	323	---	296	---	58	---	64	---	---
TOTAL	7967	9343	9838	9373	10315	10372	5298	1989	---	2562	---	4473
MEAN	257	311	317	302	368	335	177	64.2	---	82.6	---	149
MAX	287	347	377	332	556	414	266	101	---	110	---	243
MIN	230	266	254	246	300	266	114	49	---	58	---	64
AC-FT	15800	18530	19510	18590	20460	20570	10510	3950	---	5080	---	8870

13301990 PAHSIMEROI RIVER AT BURSTEDT LANE, NEAR ELLIS, ID

LOCATION.--Lat 44°39'50", long 114°01'39", in NW¼NW¼ sec. 6 T. 15 N., R. 21 E., on Custer-Lemhi County line, Hydrologic Unit 17060202, on left bank 6 ft downstream from bridge crossing on Burstedt Lane, 2.2 mi southeast of Ellis, and at mile 3.1.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Staff gage read once daily by Idaho Fish and Game personnel.

REMARKS.--Estimated daily discharge: Aug. 2, 1985, and Oct. 13, 14, 17, 1986. Records fair. Diversions upstream for irrigation.

EXTREMES FOR CURRENT PERIOD.--May to September 1985: Maximum discharge observed, 328 ft^3/s Sept. 25, 27-29, gage height, 2.28 ft; minimum daily, 91 ft^3/s June 17, 22-25, 30, July 1, 15, 16.

Water year 1986: Maximum discharge observed, 574 ft^3/s June 4, gage height 2.60 ft; minimum daily, 99 ft^3/s May 28, Aug 17, 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	117	91	112	122
2								---	143	95	115	132
3								---	143	95	122	138
4								---	122	93	122	143
5								---	115	95	122	143
6								---	120	99	127	149
7								---	124	103	132	160
8								---	115	103	127	207
9								---	115	103	117	207
10								---	105	117	122	207
11								---	105	117	127	207
12								---	110	95	127	238
13								---	103	108	127	238
14								---	103	99	143	238
15								---	99	91	149	238
16								---	95	91	132	230
17								---	91	95	132	238
18								---	95	95	138	262
19								---	95	95	138	271
20								---	95	95	132	280
21								---	95	95	127	280
22								105	91	103	132	289
23								89	91	108	132	298
24								97	91	108	132	318
25								99	91	95	138	328
26								110	99	99	132	318
27								120	95	95	132	328
28								122	95	99	138	328
29								122	95	103	127	328
30								122	91	108	117	318
31								122	---	117	122	---
TOTAL								---	3144	3105	3992	7181
MEAN								---	105	100	129	239
MAX								---	143	117	149	328
MIN								---	91	91	112	122
AC-FT								---	6240	6160	7920	14240

13301990 PAHSIMEROI RIVER AT BURSTEDT LANE, NEAR ELLIS, ID--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	308	338	280	348	338	262	167	149	167	130	135
2	328	308	348	289	358	338	271	143	313	154	127	140
3	308	318	353	289	358	348	262	138	494	154	132	152
4	308	328	343	298	338	348	254	130	574	149	138	158
5	318	328	353	298	338	338	246	130	547	160	138	158
6	308	328	343	308	338	328	246	127	547	167	138	170
7	289	318	343	308	348	328	246	110	520	173	154	176
8	298	318	333	308	338	318	230	108	494	154	149	183
9	298	328	343	298	328	338	222	117	469	173	112	226
10	308	338	333	318	328	328	222	124	482	167	110	226
11	308	338	323	338	318	308	222	130	389	167	115	203
12	303	338	303	358	318	318	222	135	378	160	110	196
13	299	333	308	389	318	308	222	130	328	154	115	203
14	294	343	318	400	328	308	222	130	289	149	110	218
15	289	363	308	318	338	298	222	112	298	138	115	226
16	294	353	328	308	318	308	230	112	308	132	110	226
17	296	343	308	328	328	308	230	110	308	132	99	267
18	298	343	328	328	338	298	222	110	318	132	103	258
19	298	353	328	308	411	298	230	110	276	132	99	285
20	298	343	318	318	338	289	222	105	280	127	99	294
21	298	343	328	308	328	280	238	101	246	132	108	303
22	298	353	318	328	333	289	238	105	238	132	108	313
23	298	348	328	318	318	289	230	101	238	143	117	313
24	298	328	318	308	358	289	222	103	207	138	105	313
25	298	308	318	318	389	289	203	103	173	127	110	323
26	298	308	328	338	389	298	211	103	173	122	105	313
27	280	298	318	348	400	289	214	108	186	120	105	323
28	280	298	318	348	358	298	196	99	173	115	101	313
29	289	308	328	318	---	298	183	115	173	120	105	313
30	289	328	318	318	---	289	170	120	173	135	120	313
31	289	---	289	328	---	298	---	143	---	140	124	---
TOTAL	9273	9890	10109	9965	9646	9597	6810	3679	9741	4465	3611	7240
MEAN	299	330	326	321	345	310	227	119	325	144	116	241
MAX	328	363	353	400	411	348	271	167	574	173	154	323
MIN	280	298	289	280	318	280	170	99	149	115	99	135
AC-FT	18390	19620	20050	19770	19130	19040	13510	7300	19320	8860	7160	14360

WTR YR 1986 TOTAL 94026 MEAN 258 MAX 574 MIN 99 AC-FT 186500

13302005 PAHSIMEROI RIVER AT ELLIS, ID

LOCATION.--Lat 44°41'31", long 114°02'51", in NW¼SW¼[illegible] sec. 25, T. 16 N., R. 20 E., on Custer-Lemhi County line, Hydrologic Unit 17060202, on right bank about 500 ft upstream from mouth, at Ellis.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,634.98 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Apr. 23-26, May 3-12, May 20 to July 5. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 710 ft^3/s June 4, 1986; maximum gage height, 7.37 ft June 2, 1986 (backwater from Salmon River); minimum, 127 ft^3/s May 13, 14, 1985, gage height, 1.14 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 710 ft^3/s June 4; maximum gage height, 7.37 ft June 2 (backwater from Salmon River); minimum daily, 140 ft^3/s May 21, 23, 24, 26, 28.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 29 to Feb. 1; stage-discharge relation
affected by backwater Apr. 23-26, May 3-12, May 3-12, May 20 to July 5)

1.2	136	3.0	473
2.0	272	4.0	710

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	322	341	344	282	336	376	292	185	200	235	178	219
2	322	340	356	282	341	378	291	170	405	220	182	228
3	322	342	368	285	344	373	284	165	630	220	186	223
4	319	342	361	281	344	366	275	165	710	215	186	229
5	322	340	353	282	342	358	269	160	670	220	186	234
6	328	340	353	301	337	346	265	160	670	227	184	236
7	329	347	357	307	328	341	262	150	640	238	207	241
8	329	357	357	317	311	362	258	145	610	227	204	278
9	331	355	346	326	318	366	248	155	590	237	176	302
10	332	350	298	332	322	350	240	160	610	233	173	292
11	336	348	280	334	328	342	239	165	500	233	176	274
12	338	350	311	328	325	341	245	170	475	228	170	270
13	333	346	313	319	329	335	248	166	410	218	171	272
14	330	347	311	311	325	329	245	164	365	215	170	278
15	331	353	300	316	328	324	246	156	385	207	171	284
16	328	358	310	327	331	321	247	159	380	214	161	295
17	325	361	313	337	341	323	242	156	395	208	160	310
18	324	364	316	327	390	318	240	158	410	219	170	327
19	325	362	322	327	422	318	240	160	360	202	168	341
20	325	360	324	331	365	316	241	150	370	194	175	364
21	324	363	327	327	352	315	246	140	320	198	194	371
22	323	357	328	325	347	314	260	142	365	204	196	373
23	325	312	326	329	357	310	258	140	315	214	202	379
24	325	279	323	326	402	310	245	140	275	202	194	374
25	327	318	316	323	429	310	230	142	235	192	191	371
26	327	289	313	318	432	306	240	140	245	195	190	364
27	324	308	302	319	416	305	245	145	250	194	190	364
28	320	311	285	331	386	305	220	140	235	183	186	378
29	316	321	276	334	---	305	208	155	235	189	190	368
30	318	337	274	331	---	304	192	165	240	187	206	370
31	323	---	276	333	---	302	---	185	---	185	219	---
TOTAL	10103	10198	9939	9848	9928	10269	7461	4853	12510	6553	5712	9209
MEAN	326	340	321	318	355	331	249	157	417	211	184	307
MAX	338	364	368	337	432	378	292	185	710	238	219	379
MIN	316	279	274	281	311	302	192	140	200	183	160	219

CAL YR 1985	TOTAL	106734	MEAN	292	MAX	432	MIN	135
WTR YR 1986	TOTAL	106583	MEAN	292	MAX	710	MIN	140

13302500 SALMON RIVER AT SALMON, ID

LOCATION.--Lat 45°11'00", long 133°53'40", in NE¼NE¼ sec. 6, T. 21 N., R. 22 E., Lemhi County, Hydrologic Unit 17060203, on left bank 1,000 ft downstream from island, 0.4 mi upstream from Lemhi River, 0.5 mi downstream from highway bridge at Salmon, and at mile 258.9.

DRAINAGE AREA.--3,760 mi^2, approximately. Mean elevation, 7,380 ft.

PERIOD OF RECORD.--April 1912 to September 1916, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1043: Drainage area. WSP 1317: 1916.

GAGE.--Water-stage recorder. Datum of gage is 3,911.14 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 21, 1929, nonrecording gage at site 700 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Diversions above station for irrigation of about 83,800 acres, of which about 900 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--71 years, 1,998 ft^3/s, 1,448,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,700 ft^3/s June 17, 1974, gage height, 8.67 ft; maximum gage height, 10.33 ft, Feb. 7, 1985 (ice jam); minimum discharge, 242 ft^3/s Jan. 8, 1937, gage height, 1.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,000 ft^3/s June 1, 2, gage height, 8.11 ft; minimum, 782 ft^3/s Dec. 12, gage height, 1.37 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1490	1270	1080	1310	1630	2470	2860	14900	3910	1530	1440
2	1390	1490	1290	1170	1290	1650	2410	2830	14900	3650	1510	1410
3	1340	1480	1350	1250	1280	1680	2270	3160	14800	3370	1470	1430
4	1350	1470	1350	1210	1250	1690	2150	3820	14600	3260	1470	1400
5	1370	1460	1180	1150	1220	1700	2130	4310	14200	3300	1430	1370
6	1360	1500	1160	1200	1180	1700	2180	4030	14000	3170	1400	1310
7	1380	1490	1240	1290	1120	1700	2270	3870	12600	2980	1360	1290
8	1440	1520	1390	1250	1000	1790	2510	3590	11100	2830	1380	1320
9	1490	1510	1370	1230	911	1980	2680	3350	10200	2830	1360	1550
10	1440	1370	1140	1390	1020	1920	2660	3240	8930	2810	1320	1740
11	1470	1340	958	1510	1160	1840	2750	3300	8170	2740	1300	1640
12	1510	1390	912	1340	1190	1780	2810	3060	7960	2650	1280	1560
13	1500	1370	1010	1230	1190	1710	2710	2880	7890	2540	1240	1530
14	1480	1310	1200	1170	1200	1640	2490	2880	7700	2460	1230	1550
15	1480	1310	1200	1260	1220	1610	2350	2810	7710	2370	1230	1610
16	1490	1350	1200	1420	1340	1570	2320	2710	7510	2300	1220	1660
17	1470	1420	1290	1480	1550	1570	2260	2650	7200	2230	1220	1710
18	1450	1430	1230	1440	1690	1530	2170	2680	7120	2160	1220	1720
19	1430	1370	1180	1390	1730	1490	2070	2890	6970	2080	1190	1770
20	1420	1270	1140	1400	1440	1500	2020	3490	6530	1980	1170	1860
21	1420	1270	1090	1380	1360	1500	2250	4540	5900	1910	1230	1870
22	1420	1290	1070	1250	1380	1530	2900	5590	5440	1880	1350	1870
23	1500	1200	1090	1250	1470	1570	4030	5180	5120	1830	1410	1830
24	1510	1060	1140	1300	1690	1600	4790	4700	4880	1790	1440	1790
25	1570	938	1170	1260	1750	1650	4420	4530	4750	1740	1390	1770
26	1610	1120	1110	1130	1760	1630	4020	5140	4630	1760	1330	1760
27	1570	1160	1070	1130	1770	1610	3640	7170	4530	1760	1300	1770
28	1540	1230	1030	1320	1680	1650	3370	9870	4450	1710	1270	1830
29	1520	1330	1000	1390	---	1840	3220	12000	4350	1640	1260	1820
30	1500	1310	1050	1350	---	2140	3070	13600	4150	1580	1310	1820
31	1500	---	1080	1360	---	2350	---	14700	---	1550	1410	---
TOTAL	45300	40248	35970	39980	38151	52750	83390	151430	253190	74770	41230	49000
MEAN	1461	1342	1160	1290	1363	1702	2780	4885	8440	2412	1330	1633
MAX	1610	1520	1390	1510	1770	2350	4790	14700	14900	3910	1530	1870
MIN	1340	938	912	1080	911	1490	2020	2650	4150	1550	1170	1290
AC-FT	89850	79830	71350	79300	75670	104600	165400	300400	502200	148300	81780	97190

CAL YR 1985 TOTAL 657930 MEAN 1803 MAX 6320 MIN 674 AC-FT 1305000
WTR YR 1986 TOTAL 905409 MEAN 2481 MAX 14900 MIN 911 AC-FT 1796000

13305000 LEMHI RIVER NEAR LEMHI, ID

LOCATION.--Lat 44°56'24", long 113°38'16", in NW¼NE¼ sec. 32, T. 19 N., R. 24 E., Lemhi County, Hydrologic Unit 17060204, on right bank 35 ft upstream from bridge on State Highway 28, 1.4 mi south of Tendoy, 1.8 mi upstream from Agency Creek, 6.2 mi north of Lemhi, and at mile 28.8.

DRAINAGE AREA.--895 mi^2, approximately.

PERIOD OF RECORD.--November 1938 to August 1939, April 1955 to September 1963, water years 1964-67 (annual maximum), August 1967 to current year.

REVISED RECORDS.--WSP 1397: 1939.

GAGE.--Water-stage recorder. Elevation of gage is 4,960 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 25, 1967, at site 1.5 mi upstream at different datum. November 1938 to August 1939, nonrecording gage, Apr. 29, 1955, to Sept. 30, 1963, nonrecording gage and supplemental crest-stage gage, Oct. 1, 1963, to Aug. 24, 1967, crest-stage gage only.

REMARKS.--Estimated daily discharges: Oct. 1 to Feb. 16, June 3 to July 23. Records good except for estimated daily discharges, which are fair. State Fish Hatchery on Hayden Creek several miles upstream since fall 1966 may affect maximums and minimums. Diversions above station for irrigation of about 25,500 acres, of which about 200 acres are irrigated by withdrawals from ground water (1966 determination).

AVERAGE DISCHARGE.--27 years (1956-63, 1968-86), 289 ft^3/s, 209,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,430 ft^3/s June 21, 1984, gage height, 7.19 ft; minimum, 41 ft^3/s Aug. 31, Sept. 1, 1985, gage height, 2.59 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,780 ft^3/s June 2, gage height, 6.22 ft; minimum, 57 ft^3/s Aug. 15, 16, gage height, 2.56 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	260	260	230	250	307	288	203	1400	235	138	197
2	230	255	270	250	240	314	288	199	1350	230	141	213
3	230	255	270	240	235	317	280	208	1140	230	134	212
4	235	250	240	230	230	306	282	268	930	235	127	210
5	235	255	230	240	220	293	273	276	800	220	123	219
6	235	255	240	250	210	293	263	259	760	210	129	213
7	245	260	275	250	190	299	258	264	740	205	125	207
8	250	260	270	250	175	354	279	266	860	210	118	220
9	255	250	230	275	185	328	279	261	590	210	109	247
10	250	230	190	280	215	301	276	268	530	195	110	243
11	260	245	185	255	220	293	270	285	480	190	104	250
12	260	245	200	235	225	285	288	257	430	180	79	252
13	255	235	240	225	225	281	299	239	420	170	78	257
14	255	235	240	235	230	273	288	229	420	170	70	256
15	250	240	240	265	230	265	279	227	405	165	64	277
16	250	245	250	280	250	267	276	200	400	160	64	289
17	250	245	245	270	258	266	268	173	384	155	74	285
18	245	250	240	265	288	255	259	172	375	155	76	285
19	245	240	230	260	286	256	254	195	347	150	66	295
20	240	235	215	260	267	257	255	207	310	150	73	316
21	240	240	220	240	260	267	261	269	294	150	94	307
22	250	235	220	240	258	285	271	287	286	148	130	287
23	260	215	225	240	265	276	347	267	280	147	132	304
24	270	190	230	240	297	284	313	242	296	151	130	303
25	280	215	225	215	321	272	286	254	311	156	128	307
26	270	225	215	215	349	264	275	355	306	164	132	323
27	270	235	210	245	337	270	265	624	288	164	118	331
28	265	285	200	260	314	293	251	796	260	172	115	342
29	260	265	205	255	---	305	231	1020	250	167	131	347
30	260	255	215	250	---	309	215	1190	245	146	145	358
31	260	---	215	250	---	312	---	1310	---	140	173	---
TOTAL	7800	7285	7140	7695	7030	8947	8236	11271	15897	5530	3430	8162
MEAN	252	243	230	248	251	289	275	364	523	178	111	272
MAX	280	285	275	280	349	354	347	1310	1400	235	173	358
MIN	230	190	185	215	175	255	215	172	245	140	64	197
AC-FT	15470	14450	14160	15260	13940	17750	16340	22360	31130	10970	6800	16190

CAL YR 1985	TOTAL	81793	MEAN	224	MAX	469	MIN	45	AC-FT	162200
WTR YR 1986	TOTAL	98223	MEAN	269	MAX	1400	MIN	64	AC-FT	194800

13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID

LOCATION.--Lat 44°59'30", long 115°43'30", in NE¼, sec. 16, T. 19 N., R.6 E., Valley County, Hydrologic Unit 17060208, Payette National Forest, on right bank 0.6 mi upstream from Fitsum Creek, 1.4 mi downstream from Krassel Ranger Station, 2 mi upstream from mouth of East Fork of South Fork Salmon River, 20 mi east of McCall, and at mile 39.2.

DRAINAGE AREA.--330 mi^2.

PERIOD OF RECORD.--October 1966 to September 1982, April 1985 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 3,750 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 7 to Feb. 8, May 27-29. Records good.

AVERAGE DISCHARGE.--17 years (1967-82, 1986), 576 ft^3/s, 23.70 in./yr, 417,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,740 ft^3/s June 17, 1974, gage height, 10.00 ft; minimum, 38 ft^3/s Nov. 27, 1976, gage height, 1.11 ft, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1948, reached a discharge of 5,200 ft^3/s by slope-area measurement at site 2.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 8	1030	1830	5.14	May 4	1200	1700	5.18
Apr. 23	0900	1970	5.47	May 21	1130	2230	5.87

Minimum daily discharge, 95 ft^3/s Dec. 11.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 7 to Feb. 8)

1.5	84	4.0	927
2.0	174	5.0	1560
2.5	301	7.0	3420
3.0	488	9.0	6090

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	230	150	124	210	698	1150	974	5350	586	219	152
2	163	230	155	125	210	704	1040	1030	4730	550	214	157
3	162	227	160	126	205	723	939	1280	4290	527	208	151
4	158	220	140	128	190	705	905	1630	3810	542	203	144
5	155	243	150	132	190	679	896	1580	3630	649	197	140
6	155	238	150	138	185	672	913	1430	3140	585	193	136
7	173	230	150	142	140	801	998	1320	2750	499	190	133
8	198	220	150	143	140	1510	1110	1240	2940	474	189	156
9	165	180	135	140	174	1320	1120	1180	2400	512	183	210
10	159	180	120	140	206	1110	1210	1160	2200	480	178	172
11	172	200	95	135	215	981	1220	1090	2140	479	177	154
12	178	185	125	140	205	881	1170	1010	2140	442	174	147
13	167	185	135	135	187	786	1070	1010	2070	407	171	147
14	163	165	138	135	183	715	991	1040	1950	385	169	149
15	158	175	132	135	228	642	931	970	1900	367	165	160
16	163	185	134	135	427	615	825	931	1710	355	160	157
17	165	190	132	165	554	568	876	950	1610	358	159	153
18	161	180	132	160	530	524	813	1020	1530	339	156	164
19	157	140	128	180	518	498	780	1280	1360	325	153	169
20	157	145	126	170	399	483	815	1750	1190	312	151	188
21	165	145	126	150	332	489	1010	2170	1080	299	161	185
22	225	150	128	160	315	490	1440	2050	993	289	183	170
23	218	125	124	175	418	489	1930	1780	937	278	172	162
24	259	135	124	170	720	578	1760	1620	900	269	162	159
25	319	160	122	150	873	620	1610	1720	865	262	154	191
26	350	150	120	175	882	588	1420	2140	821	256	149	214
27	310	150	120	190	817	594	1280	3200	769	248	145	207
28	292	155	118	195	730	722	1230	4200	715	241	142	198
29	275	155	122	190	---	892	1130	4900	672	235	144	187
30	253	150	122	200	---	1080	1030	5150	628	229	152	184
31	243	---	124	195	---	1220	---	5270	---	224	159	---
TOTAL	6200	5443	4083	4783	10381	23373	33712	58055	61220	11983	5332	5004
MEAN	200	181	132	154	371	754	1124	1873	2041	387	172	167
MAX	350	243	160	200	882	1510	1930	5270	5350	649	219	214
MIN	155	125	95	124	140	483	780	931	628	224	142	133
CFSM	.61	.55	.40	.47	1.12	2.28	3.41	5.68	6.18	1.17	.52	.51
IN.	.70	.61	.46	.54	1.17	2.63	3.80	6.54	6.90	1.35	.60	.56
AC-FT	12300	10800	8100	9490	20590	46360	66870	115200	121400	23770	10580	9930

WTR YR 1986 TOTAL 228540 MEAN 626 MAX 5350 MIN 95 CFSM 1.91 IN. 25.80 AC-FT 453300

13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 18, 1985 to June 24, 1986 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT							
02...	1300	168	55	--	2	0.91	--
APR							
22...	1430	1490	28	8.0	26	105	--
23...	1545	1930	24	5.0	44	229	--
24...	1030	1710	27	4.0	26	120	--
25...	1000	1610	26	5.0	16	70	--
29...	1130	1120	29	5.0	10	30	--
MAY							
20...	1415	1790	34	8.0	26	126	--
21...	1430	2240	24	6.5	53	321	--
22...	1430	1920	25	5.5	33	171	--
23...	0900	1750	25	3.5	29	137	--
26...	1400	2310	24	8.0	43	268	32
27...	0900	3230	21	6.0	215	1880	16
28...	1830	3480	34	--	124	1170	20
29...	0840	4300	19	5.5	127	1470	30
JUN							
02...	1515	4360	18	--	119	1400	14
03...	0805	4390	18	--	92	1090	15
06...	1700	2900	19	8.5	279	2180	3
07...	1030	2740	20	8.0	356	2630	2
08...	0930	3220	20	--	92	800	6
10...	0820	2230	23	7.0	52	313	--
24...	1410	891	33	17.0	29	70	--

13311000 EAST FORK OF SOUTH FORK SALMON RIVER AT STIBNITE, ID

LOCATION.--Lat 44°54'21", long 115°19'42", in SE¼SW¼SW¼ sec. 11, T. 18 N., R. 9 E., Valley County, Hydrologic Unit 17060208, Payette National Forest, on right bank 1,200 ft downstream from Meadow Creek.

DRAINAGE AREA.--18.6 mi^2.

PERIOD OF RECORD.--July 1928 to November 1941, December 1941 to September 1943 (fragmentary records only), October 1982 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,460 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 18, 1929, staff gage at site 1,090 ft upstream at different datum. Sept. 18, 1929, to Sept. 7, 1943, at site 1,100 ft upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 9, 10, 13, 14, 19, 23, 24, Dec. 9-12, Dec. 30 to Jan. 3, Jan. 21, 22, 25, 26, Feb. 7-9, Sept. 3-30. Records good.

AVERAGE DISCHARGE.--17 years (water years 1929-41, 1983-86), 25.4 ft^3/s, 18,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 394 ft^3/s May 31, 1986, gage height, 7.11 ft; minimum recorded, 2 ft^3/s Oct. 29, 1936, gage height, 1.71 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 394 ft^3/s May 31, gage height, 7.11 ft; minimum daily discharge, 7.0 ft^3/s Jan. 25.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 9, 10, 13, 14, 19, 23, 24, Dec. 9-12, Dec. 30 to Jan. 3, Jan. 21, 22, 25, 26, Feb. 7-9)

4.8	4.6	5.4	44
4.9	7.7	5.7	82
5.0	12	6.0	129
5.1	18	6.5	232
5.2	26	7.0	361

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	9.2	7.6	8.0	9.6	22	37	336	47	20	14
2	10	12	9.2	7.6	7.7	10	21	44	329	43	20	14
3	10	12	9.2	7.6	7.7	10	21	51	323	43	20	13
4	10	12	9.6	7.8	8.8	11	20	60	299	50	19	13
5	10	12	9.3	7.7	7.6	11	20	53	264	52	18	12
6	10	12	9.2	7.7	7.9	11	21	51	225	46	18	12
7	12	12	9.2	7.8	7.3	13	24	49	197	40	18	12
8	11	12	9.2	7.7	7.5	15	26	46	182	41	17	13
9	16	11	8.8	7.7	8.0	14	27	43	162	45	17	17
10	12	11	8.4	7.7	8.5	14	28	42	151	41	17	16
11	11	11	8.6	7.7	8.1	14	29	39	150	40	16	14
12	10	11	8.8	7.7	7.8	13	28	38	146	36	16	13
13	11	11	8.5	7.7	7.7	13	27	38	141	34	16	13
14	10	10	8.5	7.7	7.8	12	26	36	136	32	16	13
15	10	11	8.5	7.7	7.9	15	25	35	129	31	15	14
16	11	10	8.5	7.7	7.7	11	24	35	119	31	15	14
17	11	10	8.5	8.1	7.7	11	23	36	113	30	15	14
18	10	10	8.5	7.7	7.7	10	23	44	105	29	15	15
19	11	9.6	8.4	7.8	7.7	10	22	59	96	28	15	15
20	11	10	8.3	7.9	7.7	10	25	85	88	27	14	15
21	13	9.7	8.2	7.6	7.5	10	31	107	82	26	21	15
22	12	9.7	8.1	7.5	7.4	10	49	94	77	25	17	14
23	12	9.2	8.1	8.0	7.5	9.9	65	83	73	24	17	14
24	13	8.8	8.1	7.5	8.6	10	57	84	69	23	16	13
25	15	9.6	8.1	7.0	9.0	9.9	52	102	66	23	15	15
26	15	9.6	8.0	7.6	8.9	10	48	148	62	22	15	16
27	14	9.2	8.0	8.0	8.7	11	44	209	58	23	13	16
28	14	9.2	7.8	7.7	9.1	13	41	257	55	22	13	16
29	12	9.2	7.8	7.9	---	17	39	294	52	21	16	15
30	12	9.2	7.8	8.2	---	19	36	318	49	21	16	14
31	12	---	7.7	8.1	---	23	---	348	---	20	14	---
TOTAL	361	315.0	264.1	239.7	223.5	380.4	944	2965	4336	1016	510	424
MEAN	11.6	10.5	8.52	7.73	7.98	12.3	31.5	95.6	145	32.8	16.5	14.1
MAX	16	12	9.6	8.2	9.1	23	65	348	336	52	21	17
MIN	10	8.8	7.7	7.0	7.3	9.6	20	35	49	20	13	12
AC-FT	716	625	524	475	443	755	1870	5880	8600	2020	1010	841

CAL YR 1985	TOTAL	8556.7	MEAN	23.4	MAX	161	MIN	6.5	AC-FT	16970
WTR YR 1986	TOTAL	11978.7	MEAN	32.8	MAX	348	MIN	7.0	AC-FT	23760

13313000 JOHNSON CREEK AT YELLOW PINE, ID

LOCATION.--Lat 44°57'44", long 115°29'58", in NE¼ sec. 29, T.19 N., R.8 E., Valley County, Hydrologic Unit 17060208, Boise National Forest, on right bank 700 ft upstream from mouth, and 0.2 mi southwest of Yellow Pine.

DRAINAGE AREA.--213 mi^2. Mean elevation, 7,170 ft.

PERIOD OF RECORD.--August 1928 to current year.

REVISED RECORDS.--WDR ID-83-1: 1982(M).

GAGE.--Water-stage recorder. Datum of gage is 4,655.75 ft above National Geodetic Vertical Datum of 1929. Prior to July 19, 1977, at site 385 ft upstream at datum 1.95 ft higher.

REMARKS.--Estimated daily discharges: Nov. 23 and Dec. 11. Records good. Small diversion from Johnson Creek to Deadwood River (see REMARKS for sta 13236000).

AVERAGE DISCHARGE.--58 years, 354 ft^3/s, 22.57 in./yr, 256,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,230 ft^3/s June 17, 1974, gage height, 8.32 ft; minimum, 21 ft^3/s Nov. 30, 1954, Nov. 20, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	0400	1960	5.05	May 31	2330	*4420	*7.30

Minimum discharge, 37 ft^3/s Feb. 7, gage height, 1.87 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

2.0	60	3.3	558
2.2	101	4.0	1050
2.5	174	5.0	1910
2.9	322	7.0	4060

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	140	99	80	95	146	404	579	3830	442	156	103
2	94	140	102	80	95	155	377	688	3670	414	153	105
3	93	141	105	81	93	161	351	960	3420	394	147	101
4	92	143	93	82	88	168	346	1200	3130	437	143	97
5	92	157	98	82	88	172	353	997	2920	530	138	94
6	92	151	99	83	85	180	376	883	2520	468	136	92
7	108	150	100	84	62	210	436	796	2270	398	133	90
8	111	144	99	85	62	266	502	742	2310	381	132	104
9	91	121	88	82	76	265	504	714	1970	429	128	133
10	98	120	77	83	90	253	560	719	1840	403	123	113
11	109	135	62	81	90	247	551	656	1800	401	121	102
12	106	127	82	84	85	237	523	613	1770	359	121	97
13	97	124	93	81	87	224	468	654	1690	318	117	96
14	102	109	89	81	90	221	434	686	1600	301	116	98
15	100	114	87	80	102	209	414	652	1540	286	114	104
16	105	130	88	81	108	206	400	633	1390	273	110	107
17	108	124	87	88	104	202	376	700	1320	273	106	103
18	106	118	87	81	105	193	349	828	1230	259	106	112
19	105	94	85	80	100	192	335	1190	1090	244	101	116
20	106	104	84	81	96	188	365	1590	962	233	101	114
21	112	102	83	80	93	193	524	1860	875	224	108	112
22	134	100	83	80	94	191	835	1510	806	214	119	107
23	126	82	82	83	101	191	1180	1260	763	203	114	102
24	135	89	82	80	116	204	1020	1250	723	195	108	100
25	163	108	81	77	130	195	930	1580	684	191	100	111
26	185	101	81	75	134	197	803	2140	637	188	96	119
27	176	99	80	84	136	205	723	2750	595	179	95	119
28	178	103	79	86	141	235	679	3210	551	173	94	119
29	160	102	80	85	---	274	652	3640	513	169	108	115
30	155	101	79	91	---	337	593	3870	478	165	123	121
31	145	---	80	90	---	402	---	3970	---	160	113	---
TOTAL	3678	3573	2694	2551	2746	6719	16363	43520	48897	9304	3680	3206
MEAN	119	119	86.9	82.3	98.1	217	545	1404	1630	300	119	107
MAX	185	157	105	91	141	402	1180	3970	3830	530	156	133
MIN	91	82	62	75	62	146	335	579	478	160	94	90
CFSM	.56	.56	.41	.39	.46	1.02	2.56	6.59	7.65	1.41	.56	.50
IN.	.64	.62	.47	.45	.48	1.17	2.86	7.60	8.54	1.62	.64	.56
AC-FT	7300	7090	5340	5060	5450	13330	32460	86320	96990	18450	7300	6360

CAL YR 1985	TOTAL	97185	MEAN	266	MAX	1980	MIN	56	CFSM	1.25	IN.	16.97	AC-FT	192800
WTR YR 1986	TOTAL	146931	MEAN	403	MAX	3970	MIN	62	CFSM	1.89	IN.	25.66	AC-FT	291400

13316500 LITTLE SALMON RIVER AT RIGGINS, ID

LOCATION.--Lat 45°24'47", long 116°19'29", SE¼SW¼ sec. 15, T. 24 N., R. 1 E., Idaho County, Hydrologic Unit 17060210, on right bank 14 ft upstream from road bridge, at mile 0.5, and 0.8 mi southwest of Riggins.

DRAINAGE AREA.--576 mi^2. Mean elevation, 5,430 ft.

PERIOD OF RECORD.--February 1951 to February 1955, September 1956 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,760 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 28, 1984, at site 250 ft upstream at different datum.

REMARKS.--Estimated daily discharges: May 25 to June 3. Records good. Diversions above station for irrigation of about 15,300 acres, 1966 determination.

AVERAGE DISCHARGE.--33 years (1952-54, 1957-86), 835 ft^3/s, 605,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s June 17, 1974, maximum gage height, 12.39 ft June 13, 1953 (site and datum then in use); minimum discharge, 98 ft^3/s Dec. 30, 1978, gage height, 1.96 ft (site and datum then in use).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood about June 1, 1948, reached a discharge of 9,200 ft^3/s, by slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 8	1315	3940	6.76	May 31		*unknown	*unknown
Apr. 23	0130	3090	6.03	June 6	0015	5740	10.13
May 21	1330	3240	6.16				

Minimum discharge, 106 ft^3/s Aug. 29, gage height, 3.66 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

3.6	90	7.0	2050
4.0	231	8.0	3060
5.0	436	10.0	5560
6.0	1280		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	301	216	178	397	1220	1450	1200	5900	560	235	158
2	227	301	239	174	449	1250	1330	1250	5200	529	228	152
3	221	301	309	182	506	1340	1200	1510	4450	514	219	139
4	211	301	292	174	487	1290	1150	1870	4220	589	210	131
5	208	318	284	178	462	1240	1130	1610	4000	683	197	128
6	206	318	268	182	425	1240	1160	1490	4370	637	190	122
7	248	335	264	178	376	1790	1280	1430	3930	564	185	117
8	253	416	268	178	343	3590	1420	1350	3120	525	183	141
9	210	384	228	178	324	3070	1630	1300	2650	555	177	259
10	204	340	204	182	344	2420	1690	1320	2440	512	173	209
11	205	326	160	178	359	2100	1580	1300	2360	540	167	178
12	201	259	189	174	342	1970	1460	1240	2170	500	162	165
13	189	259	231	171	329	1640	1350	1230	1960	461	162	173
14	182	297	220	171	327	1420	1240	1230	1870	435	165	178
15	186	272	204	174	431	1270	1170	1190	1720	414	155	180
16	189	284	200	197	726	1150	1220	1150	1520	416	147	204
17	189	284	204	276	938	1070	1150	1180	1400	458	144	200
18	178	276	204	247	1060	991	1080	1320	1310	420	141	221
19	174	186	197	271	1070	938	1030	1720	1190	385	136	229
20	178	197	189	286	916	915	1050	2330	1050	362	135	278
21	193	247	182	264	772	925	1270	2980	954	350	151	270
22	272	243	182	243	698	918	2510	2370	896	327	167	229
23	288	182	182	264	872	898	2770	1860	855	312	151	210
24	344	200	178	250	1320	1020	2090	1680	819	303	148	229
25	362	255	174	221	1510	1140	1820	2060	780	291	140	325
26	491	268	164	214	1520	1070	1590	3110	738	286	138	345
27	439	243	156	222	1460	1050	1440	4070	690	282	130	313
28	425	239	149	231	1320	1150	1390	4500	655	273	124	278
29	393	228	153	265	---	1360	1310	5000	625	268	126	262
30	353	212	149	347	---	1530	1240	5800	594	265	132	290
31	331	---	149	348	---	1540	---	6100	---	252	178	---
TOTAL	7977	8272	6388	6798	20083	44515	43200	67750	64436	13268	5096	6313
MEAN	257	276	206	219	717	1436	1440	2185	2148	428	164	210
MAX	491	416	309	348	1520	3590	2770	6100	5900	683	235	345
MIN	174	182	149	171	324	898	1030	1150	594	252	124	117
AC-FT	15820	16410	12670	13480	39830	88300	85690	134400	127800	26320	10110	12520

CAL YR 1985 TOTAL 215911 MEAN 592 MAX 3830 MIN 143 AC-FT 428300
WTR YR 1986 TOTAL 294096 MEAN 806 MAX 6100 MIN 117 AC-FT 583300

13317000 SALMON RIVER AT WHITE BIRD, ID

LOCATION.--Lat 45°45'01", long 116°19'23", in NE¼NW¼SW¼ sec. 22, T. 28 N., R. 1, E., Idaho County, Hydrologic Unit 17060209, on left bank 0.1 mi upstream from White Bird Creek, 0.6 mi downstream from Canfield-Joseph highway bridge, 1 mi southwest of White Bird, and at mile 53.7. Records include flow of White Bird Creek.
DRAINAGE AREA.--13,550 mi^2, approximately, includes that of White Bird Creek. Mean elevation, 6,720 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1910 to September 1917, October 1919 to current year.
REVISED RECORDS.--WSP 753: 1932. WSP 1043: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,412.65 ft above National Geodetic Vertical Datum of 1929. Aug. 18, 1910, to Sept. 30, 1917, and Oct. 1, 1919, to Sept. 13, 1920, nonrecording gages at site 600 ft downstream at different datum. Sept. 14, 1920, to Jan. 2, 1931, nonrecording gage on highway bridge 200 ft upstream at datum 10 ft higher.
REMARKS.--No estimated daily discharges. Records excellent. Diversions above station for irrigation of about 165,000 acres of which about 1,200 acres are irrigated by withdrawals from ground water (1966 determination).
AVERAGE DISCHARGE.--74 years, 11,410 ft^3/s, 11.44 in./yr, 8,267,000 acre-ft/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft^3/s June 17, 1974, gage height, 35.81 ft; minimum, 1,580 ft^3/s Dec. 11, 1932, gage height, 10.23 ft, from rating curve extended below 2,200 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 97,200 ft^3/s June 1, gage height, 32.56 ft; minimum daily, 3,120 ft^3/s Dec. 13, gage height, 12.00 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 26, May 21 to July 1)

12.0	3000	20.0	24600
14.0	6530	25.0	49500
17.0	14400	32.0	98800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5030	5830	5480	3660	5330	11700	17800	18300	94800	15400	6250	5350
2	5030	5800	5060	3830	5520	11500	17100	17900	89800	14500	6100	5450
3	5060	5900	5050	4010	5670	11800	15700	19700	86600	13700	5970	5370
4	5040	5900	5090	4160	5670	12000	14500	24500	82200	13500	5820	5270
5	4920	6050	4990	4140	5590	11800	13800	28200	77300	14500	5700	5090
6	4880	6120	4680	4310	5320	11600	13800	27700	75300	14700	5560	5010
7	5130	6140	4430	4110	4960	12100	14400	25900	67100	13600	5430	4800
8	5270	6360	4620	4040	4440	15800	16000	24300	61700	12500	5330	4680
9	5260	6290	4720	4180	3910	17300	18200	22900	55600	12300	5210	4700
10	5160	5940	4630	4340	3660	16200	19100	22100	49200	12600	5160	5560
11	5150	5530	4020	4320	4000	14800	19500	21800	44800	12500	5090	6270
12	5250	5280	3310	4400	4390	14000	19200	21000	42600	12300	4990	6120
13	5330	5240	3180	4460	4430	12900	18400	20100	40900	11600	4920	5780
14	5270	5120	3460	4250	4470	11900	17100	20000	39400	10900	4870	5390
15	5170	4980	3770	3870	4660	11100	15800	19600	37700	10400	4780	5270
16	5180	4920	4060	3780	5190	10300	15200	18800	35800	10100	4700	5760
17	5240	5320	4130	4060	6390	9860	14700	18400	33600	10100	4630	5620
18	5230	5560	4230	4490	7340	9350	14000	18900	31600	9790	4600	5760
19	5160	5300	4500	4890	7760	8920	13200	21500	29900	9280	4540	5780
20	5130	4920	4440	5050	7870	8610	12800	27700	27500	8880	4480	5850
21	5120	4700	4170	4900	7250	8500	13600	37000	25200	8530	4500	6270
22	5240	4630	3870	4790	6370	8610	18800	41600	23100	8190	4680	6530
23	5460	4290	3570	4570	7110	8740	27800	38700	21500	7930	5010	6420
24	5660	3560	3280	4400	9500	9140	32100	34700	20300	7670	5060	6190
25	5960	3350	3460	4380	11700	9890	30100	33900	19500	7390	5090	6060
26	6690	3700	3520	4210	13000	9890	26700	39500	18800	7210	4960	6060
27	6930	4230	3630	3880	13100	9800	23800	52400	18100	7090	4780	6190
28	6700	4660	3590	3740	12700	10300	22000	68600	17400	6960	4650	6190
29	6500	5160	3500	4140	---	12000	20700	80200	16700	6800	4510	6100
30	6220	5450	3510	4630	---	14700	19400	90200	16300	6640	4610	6210
31	5990	---	3350	5060	---	17000	---	93900	---	6420	5020	---
TOTAL	169360	156230	127300	133050	187300	362110	555300	1050000	1300300	323980	157000	171100
MEAN	5463	5208	4106	4292	6689	11680	18510	33870	43340	10450	5065	5703
MAX	6930	6360	5480	5060	13100	17300	32100	93900	94800	15400	6250	6530
MIN	4880	3350	3180	3660	3660	8500	12800	17900	16300	6420	4480	4680
CFSM	.40	.38	.30	.32	.49	.86	1.37	2.50	3.20	.77	.37	.42
IN.	.46	.43	.35	.37	.51	.99	1.52	2.88	3.57	.89	.43	.47
AC-FT	335900	309600	252500	263900	371500	718200	1101000	2083000	2579000	642600	311400	339400

CAL YR 1985 TOTAL 3382660 MEAN 9268 MAX 47200 MIN 3180 CFSM .68 IN. 9.29 AC-FT 6710000
WTR YR 1986 TOTAL 4693030 MEAN 12860 MAX 94800 MIN 3180 CFSM .95 IN. 12.88 AC-FT 9309000

13317000 SALMON RIVER AT WHITE BIRD, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1966 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1977 to September 1980 (discontinued).
WATER TEMPERATURES: October 1966 to September 1980 (discontinued).
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28 °C on July 31, Aug. 2, 1977; minimum, 0.0 °C on many days during winter months.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV											
21...	1144	4720	171	8.00	6.0	1.5	13.1	98	K2	K4	63
JAN											
15...	1308	3870	183	8.30	8.0	1.5	13.4	101	K2	K3	73
MAR											
25...	1200	10000	133	8.20	17.0	7.5	11.6	101	22	28	52
MAY											
20...	1200	27400	73	8.10	23.0	12.0	10.8	105	130	44	28
JUL											
17...	1430	9980	122	8.30	26.0	16.5	9.8	105	K2	11	49
SEP											
25...	1100	6070	184	8.60	20.0	11.0	10.6	103	K7	K12	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV										
21...	18	4.3	6.9	19	1.3	71	14	2.4	0.4	14
JAN										
15...	21	5.1	8.0	19	1.4	73	13	2.9	0.4	15
MAR										
25...	15	3.4	5.7	19	1.2	56	8.7	2.0	0.3	16
MAY										
20...	8.6	1.5	3.3	20	0.8	32	5.7	0.8	0.2	13
JUL										
17...	15	2.9	5.4	19	1.0	53	7.5	1.5	0.3	13
SEP										
25...	--	--	--	--	--	77	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV										
21...	93	100	0.13	1190	<0.10	0.02	0.2	0.01	<0.01	<0.01
JAN										
15...	110	110	0.15	1150	0.10	0.01	0.3	0.01	0.01	0.01
MAR										
25...	91	86	0.12	2460	<0.10	0.02	0.4	0.03	0.03	0.01
MAY										
20...	64	53	0.09	4730	<0.10	0.03	0.3	0.08	<0.01	<0.01
JUL										
17...	76	78	0.1	2050	<0.10	0.03	0.2	0.01	0.01	<0.01
SEP										
25...	--	--	--	--	<0.10	0.03	0.5	0.02	<0.01	<0.01

K Results based on counts outside ideal colony range.

13317000 SALMON RIVER AT WHITEBIRD, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)
NOV										
21...	10	25	<0.5	<1	<1	<3	2	10	<1	5
MAR										
25...	70	16	<0.5	2	1	<3	6	50	4	6
MAY										
20...	40	9	<0.5	<1	<1	<3	6	27	4	<4

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV									
21...	<1	<0.1	<10	1	<1	<1	120	<6	<3
MAR									
25...	5	<0.1	<10	1	<1	<1	100	<6	24
MAY									
20...	1	<0.1	<10	1	<1	2	63	<6	15

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV			
21...	3	38	95
JAN			
15...	3	31	73
MAR			
25...	12	324	86
MAY			
20...	26	1920	58
JUL			
17...	6	162	72
SEP			
25...	7	115	7

13334300 SNAKE RIVER NEAR ANATONE, WA

LOCATION.--Lat 46°05'50", long 116°58'36", in SE¼SE¼NE¼ sec. 12, T. 7 N., R. 46 E., Asotin County, Hydrologic Unit 17060103, on left bank 1.2 mi downstream from Grande Ronde River, 7.8 mi east of Anatone, 22 mi south of Clarkston, and at mile 167.2.

DRAINAGE AREA.--92,960 mi^2, approximately.

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR ID-76-1: 1974 and 1975.

GAGE.--Water-stage recorder. Datum of gage is 806.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Diversions above station for irrigation of about 4,090,000 acres, of which about 750,000 acres are irrigated by withdrawals from ground water. Flow regulated by many reservoirs above station with a total usable capacity of more than 10,000,000 acre-feet, the most effective of which is Brownlee Reservoir 117.8 mi upstream (see sta. 13289700). Diurnal fluctuations caused by Hells Canyon powerplant.

AVERAGE DISCHARGE.--28 years, 37,940 ft^3/s, 27,490,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195,000 ft^3/s June 18, 1974, gage height, 24.45 ft; minimum, 6,010 ft^3/s Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 159,000 ft^3/s June 1, gage height, 21.20 ft; minimum, 14,400 ft^3/s Aug. 17, gage height, 3.81 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24900	23300	23800	17000	33800	104000	87500	68700	154000	38200	20200	20100
2	22500	24100	25000	19200	36000	102000	88800	67600	156000	34100	19200	20900
3	20600	23800	25500	20400	35000	100000	83000	68500	155000	33800	19200	20900
4	25000	20400	25500	26100	38200	95700	81400	72500	153000	28300	18600	20900
5	22700	23700	25800	24800	36700	95100	81700	80500	145000	28900	19800	19600
6	17600	25000	25500	25600	33500	90200	81100	72200	146000	29800	16000	19900
7	21300	24800	23100	26100	34800	92500	76800	69000	137000	31300	16900	19600
8	24800	24400	21700	25600	32400	103000	80600	73600	123000	30000	17400	21000
9	23100	24200	21900	22800	32700	103000	83200	73500	121000	29600	17300	21100
10	20900	25000	25300	25600	32900	99800	84200	76600	111000	28700	17500	23900
11	19400	25000	24600	22700	33100	101000	82200	75100	102000	28500	16900	26100
12	20600	24400	23700	26000	33000	99400	76600	75500	95700	31200	18600	25400
13	19300	24300	22800	23200	32000	101000	75200	74300	94900	28700	16200	23800
14	19800	21900	19900	26200	33800	99200	76100	73200	95600	26900	16500	20300
15	21300	22400	17800	24000	32400	97300	75400	71500	91800	27900	18400	20300
16	22600	23700	18400	24400	37100	95700	70300	70100	87800	24700	16700	27100
17	25000	20000	24100	26700	43100	94600	68500	67400	83800	23300	16400	32000
18	25500	20100	25900	29300	48200	92300	67000	66200	79400	23000	16800	31400
19	24800	22500	27200	27200	65400	86300	67200	67700	74000	22900	18300	29600
20	25300	23800	27500	31100	67500	77800	67900	73000	68400	22300	18100	30100
21	25200	23500	19300	31100	70100	77200	67100	77700	64200	20000	17000	28800
22	25300	23100	17600	32900	70700	72600	71000	83900	58700	21700	18300	28800
23	25000	21200	22700	32600	85400	72000	85800	76300	55500	20600	17600	30600
24	22300	20900	22500	33500	103000	73700	89100	70400	57300	21100	20500	28200
25	26200	21200	16400	33600	112000	80300	84500	67000	54100	20300	19700	26900
26	24400	21700	17300	32100	109000	80400	78300	71000	53200	19200	19200	18800
27	22900	21800	18600	30000	109000	80400	77200	84700	52300	19000	19900	25200
28	26200	19800	22400	30300	106000	81400	73100	112000	47900	19300	18700	27700
29	26800	18900	22600	24000	---	81600	72500	129000	40200	20200	19900	28100
30	25400	21000	18000	29100	---	84000	70700	141000	39100	21900	19900	27100
31	26000	---	19200	33500	---	86800	---	150000	---	20600	18900	---
TOTAL	722700	676900	691600	836700	1536800	2800300	2324000	2499700	2796900	796000	564600	744200
MEAN	23310	22660	22310	26990	54890	90330	77470	80640	93230	25680	18210	24810
MAX	26800	25000	27500	33600	112000	104000	89100	150000	156000	38200	20500	32000
MIN	17600	18900	16400	17000	32000	72000	67000	66200	39100	19000	16000	18800
AC-FT	1433000	1349000	1372000	1660000	3048000	5554000	4610000	4958000	5548000	1579000	1120000	1476000

CAL YR 1985	TOTAL	12005400	MEAN	32890	MAX	81200	MIN	13900	AC-FT 23813000
WTR YR 1986	TOTAL	16993400	MEAN	46560	MAX	156000	MIN	16000	AC-FT 33706000

13334300 SNAKE RIVER NEAR ANATONE, WA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973 to May 1984, Oct. 1985 to current year.
PERIOD OF DAILY RECORD.--
  WATER TEMPERATURES: October 1959 to May 1984, Oct. 1985 to current year.
INSTRUMENTATION.--Temperature recorder since October 1959.
REMARKS.--Daily water temperature data for water year 1985 were missing due to equipment malfunction.
COOPERATION.--Temperature records furnished by U.S. Army Corps of Engineers.
EXTREMES FOR PERIOD OF DAILY RECORD.--
  WATER TEMPERATURES: Maximum (1959-68, 1970-81), 25.5 °C July 15, 1981; minimum, 0.0 °C several days during winter months.
EXTREMES FOR CURRENT PERIOD.--
  WATER TEMPERATURES: Maximum, 24.0 °C Aug. 8-11; minimum, 9.5 °C April 1-3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	10.0	9.5	12.5	11.5	14.5	14.0	21.5	20.5	22.5	21.5	22.0	21.5
2	10.0	9.5	12.5	12.0	15.0	14.0	21.5	21.0	23.0	21.5	22.5	21.5
3	10.0	9.5	12.5	12.5	15.0	14.5	21.0	20.5	23.5	22.0	23.0	22.0
4	11.0	10.0	12.5	12.0	15.5	15.0	21.0	19.5	23.5	22.5	23.0	22.0
5	11.5	10.5	12.5	11.5	15.5	15.0	19.5	18.5	23.5	22.5	23.0	22.0
6	12.0	11.0	12.0	11.5	15.5	15.0	20.0	19.0	23.5	22.5	22.5	21.5
7	12.5	11.5	11.5	11.0	15.5	15.0	20.5	19.5	23.5	22.5	22.5	21.5
8	12.5	11.5	12.0	11.0	15.5	15.0	20.5	20.0	24.0	22.5	22.0	21.5
9	12.5	12.0	12.0	11.5	16.0	15.0	20.5	20.0	24.0	23.0	21.5	21.0
10	12.0	11.5	12.0	11.5	21.0	15.5	20.5	20.0	24.0	23.0	21.0	20.5
11	11.5	10.5	12.0	11.5	17.5	16.5	20.5	19.5	24.0	23.0	21.0	20.5
12	10.5	10.5	13.0	11.5	18.0	17.0	21.0	20.0	23.5	22.5	20.5	19.5
13	11.0	10.0	13.0	12.5	18.5	17.5	21.5	20.5	23.5	22.0	20.0	19.5
14	11.0	10.0	13.0	12.5	18.5	17.5	21.5	20.5	23.5	21.5	19.5	19.0
15	11.0	10.5	13.0	12.5	18.5	17.5	21.0	20.5	23.5	22.5	19.0	18.5
16	11.5	11.0	13.5	12.5	18.5	17.5	20.5	20.0	23.0	22.5	19.5	18.5
17	11.5	11.0	14.0	13.0	19.5	18.0	20.5	19.0	23.0	22.0	19.5	19.0
18	12.0	11.0	14.5	13.5	19.0	18.0	21.0	20.0	23.5	22.0	19.5	19.0
19	12.0	11.5	15.5	14.5	18.5	18.0	22.0	20.5	23.5	22.5	19.0	18.5
20	13.0	12.0	15.0	14.0	18.5	18.0	22.5	21.0	23.0	22.0	19.0	18.0
21	13.5	12.5	14.0	12.0	18.5	18.0	22.5	21.5	23.0	22.0	18.5	18.0
22	13.5	12.5	12.5	11.5	19.0	18.5	23.0	21.5	23.5	22.0	18.5	18.0
23	12.5	11.5	12.0	11.5	20.0	19.0	23.0	21.5	23.5	22.5	18.5	18.0
24	11.5	11.0	13.0	12.0	20.5	19.5	23.0	21.5	23.0	22.5	18.5	17.5
25	11.0	11.0	14.5	13.0	21.0	20.5	23.0	22.0	23.0	22.0	18.0	16.5
26	11.0	10.5	15.5	14.5	21.0	20.5	23.0	22.0	23.0	22.0	16.5	---
27	11.5	11.0	16.0	14.5	21.0	20.5	22.5	21.5	23.5	22.0	---	---
28	11.5	11.0	15.5	14.0	21.0	20.5	22.5	21.5	23.5	22.5	---	---
29	11.5	11.0	14.5	14.0	21.0	20.0	22.0	21.5	23.5	22.5	---	---
30	12.0	11.0	14.5	14.0	21.0	20.0	22.0	21.0	23.0	22.0	---	---
31	---	---	14.5	14.0	---	---	22.5	21.0	22.0	21.5	---	---
MONTH	13.5	9.5	16.0	11.0	21.0	14.0	23.0	18.5	24.0	21.5	23.0	16.5

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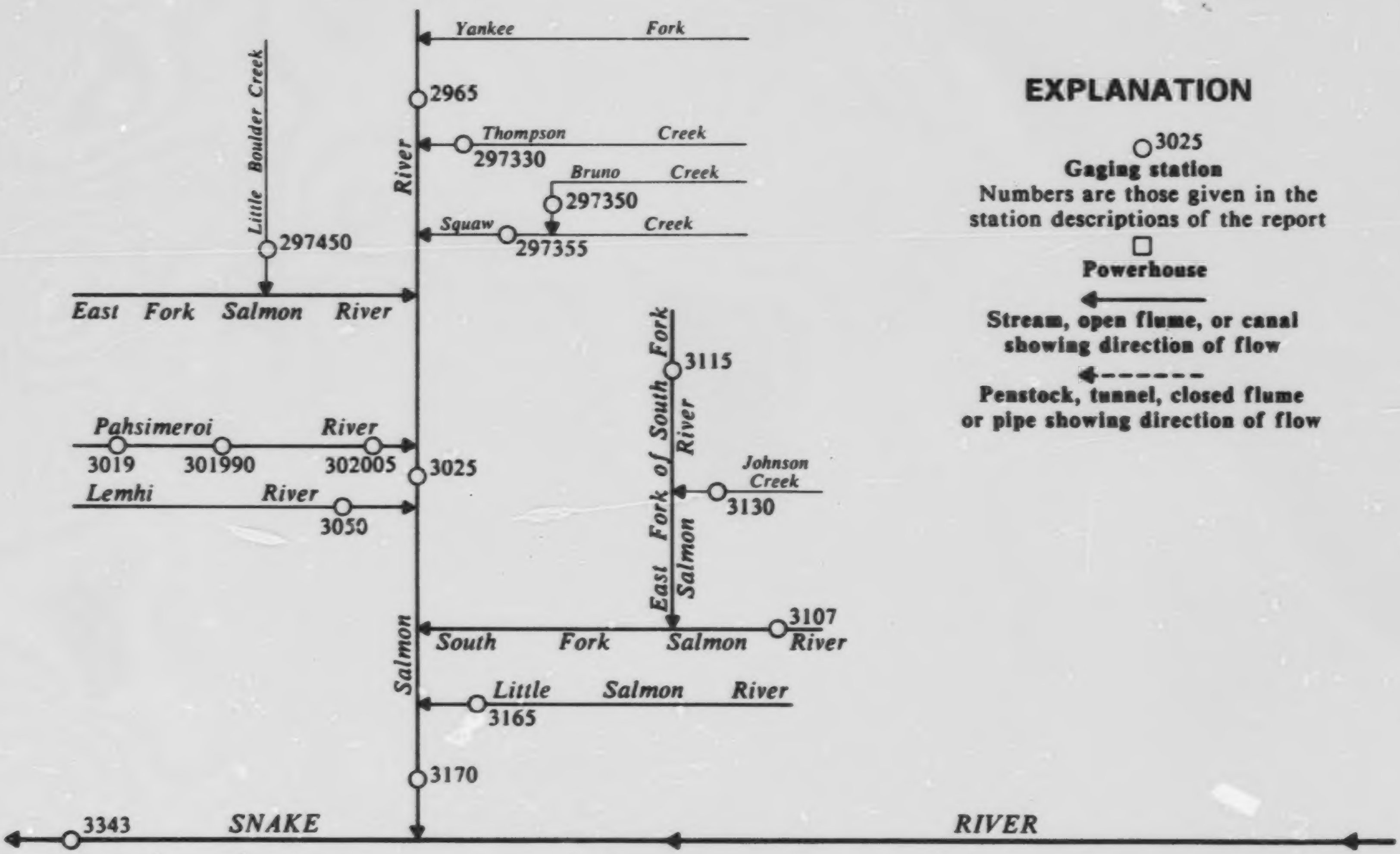
Yankee Fork
2965
River
Thompson Creek
297330
Bruno Creek
297350
Squaw Creek
297355
Little Boulder Creek
297450
East Fork Salmon River
East Fork of South Fork
3115
Salmon River
Johnson Creek
3130
Pahsimeroi River
3019
301990
302005
3025
Lemhi River
3050
Salmon
South Fork Salmon River
3107
Little Salmon River
3165
3170
3343
SNAKE RIVER
EXPLANATION
3025
Gaging station
Numbers are those given in the station descriptions of the report
□
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 25.--Gaging stations in Salmon River basin.

13336500 SELWAY RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°05'12", long 115°30'46", in NW¼SE¼NE¼ sec. 25, T. 32 N., R. 7 E., Idaho County, Hydrologic Unit 17060302, Nez Perce National Forest, on right bank 0.2 mi upstream from O'Hara Creek, 7 mi upstream from Lowell, 7.6 mi upstream from confluence with Lochsa River, and 105.2 mi upstream from mouth of Clearwater River.

DRAINAGE AREA.--1,910 mi², approximately. Mean elevation, 5,640 ft.

PERIOD OF RECORD.--April 1911 to September 1912 (gage heights or fragmentary discharge records only), October 1929 to current year. Monthly discharge only for October 1929, published in WSP 1317.

REVISED RECORDS.--WSP 1043: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,540 ft above National Geodetic Vertical Datum of 1929, from river-profile map. Apr. 11 to Sept. 2, 1911, recording gage at site 2 mi downstream at different datum. Feb. 7 to Sept. 22, 1912, and Oct. 14 to Nov. 19, 1930, nonrecording gages at nearby sites at different datums.

REMARKS.--Estimated daily discharges: Nov. 25 to Dec. 4, Dec. 12-15, Dec. 21 to Jan. 22. Records good except for estimated daily discharges, which are fair. Small diversions from headwaters.

AVERAGE DISCHARGE.--57 years (1929-86), 3,806 ft³/s, 27.06 in./yr, 2,757,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,900 ft³/s May 29, 1948, gage height, 16.04 ft; minimum, probably less than 100 ft³/s Jan. 8, 1937, during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 18,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
May 30	0230	*32000	*12.25

Minimum discharge, 537 ft³/s Aug. 29, gage height, 2.96 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25 to Dec. 4, Dec. 12-15, Dec. 21 to Jan 22)

2.8	430	5.0	3290
3.0	565	6.0	5620
3.5	1000	8.0	12100
4.0	1610	10.0	20800
		13.0	36000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	925	1910	1050	730	1920	6140	6860	5510	25500	2490	916	763
2	913	2500	1000	750	2110	6230	6420	5800	22900	2300	891	751
3	934	3250	1100	780	2100	6370	5790	7280	20800	2180	864	681
4	1030	2890	1150	820	2020	6110	5530	10300	18500	2290	832	626
5	948	3290	1200	870	1870	5950	5420	9590	19400	3070	804	596
6	916	2980	1180	930	1710	5800	5560	8940	16300	2680	784	572
7	1210	2920	1190	1020	1490	6490	5950	8290	14300	2320	765	549
8	1200	2860	1170	1060	1260	8800	6820	8250	12400	2120	748	626
9	971	2540	1090	1120	1210	8110	7460	8220	10900	2100	725	892
10	912	2230	917	1200	1400	7320	7940	8170	10000	2160	707	825
11	1030	2130	877	1220	1310	6910	7650	7970	9620	2460	700	698
12	1100	1890	840	1180	1180	6460	7200	7450	9470	2440	690	640
13	1060	1810	830	1140	1150	5950	6690	7330	8630	2070	694	645
14	1000	1710	870	1110	1130	5520	6040	7630	7880	1890	691	677
15	1060	1770	1050	1070	1210	5030	5690	6940	7640	1800	666	728
16	1190	1960	1240	1150	1360	4680	5640	6500	6880	1710	638	734
17	1330	1930	1310	1300	1910	4380	5380	6430	6390	1760	621	759
18	1230	1760	1240	1300	2270	4040	5020	6790	5970	1660	612	739
19	1160	1580	1080	1220	2200	3820	4690	9450	5470	1530	600	736
20	1150	1480	957	1150	1940	3660	4580	13300	4780	1450	588	926
21	1150	1480	850	1100	1780	3650	5270	16800	4300	1390	613	987
22	1330	1370	760	1050	1870	3590	8390	14900	3960	1320	778	870
23	1450	1150	730	1020	3060	3460	11500	12100	3690	1270	721	790
24	1430	1040	680	1000	7450	3610	9780	10900	3510	1220	632	757
25	1940	1040	670	987	8110	3560	8780	12200	3390	1170	602	767
26	2980	1150	660	935	7910	3420	7760	17100	3280	1120	584	817
27	2390	1250	660	939	7560	3570	7040	23200	3030	1090	575	845
28	2310	1300	660	1050	6630	4250	6740	26500	2830	1060	566	824
29	2130	1250	670	1130	---	5570	6210	28500	2820	1000	550	867
30	1980	1150	680	1450	---	6990	5730	28800	2760	978	632	1010
31	1900	---	700	1770	---	7340	---	27300	---	946	741	---
TOTAL	42250	57570	29061	33531	77120	166780	199530	378440	277300	55044	21530	22697
MEAN	1363	1919	937	1082	2754	5380	6651	12210	9243	1776	695	757
MAX	2980	3290	1310	1770	8110	8800	11500	28800	25500	3070	916	1010
MIN	912	1040	660	730	1130	3420	4580	5510	2760	946	550	549
CFSM	.71	1.00	.49	.57	1.44	2.82	3.48	6.39	4.84	.93	.36	.40
IN.	.82	1.12	.57	.65	1.50	3.25	3.89	7.37	5.40	1.07	.42	.44
AC-FT	83820	114200	57640	66510	153000	330800	395800	750600	550000	109200	42700	45020

CAL YR 1985 TOTAL 1151135 MEAN 3154 MAX 20700 MIN 530 CFSM 1.65 IN. 22.42 AC-FT 2283000
WTR YR 1986 TOTAL 1360862 MEAN 3728 MAX 28800 MIN 549 CFSM 1.95 IN. 26.50 AC-FT 2699000

13336635 WALTON CREEK NEAR POWELL RANGER STATION, ID

LOCATION.--Lat 46°30'28", long 114°40'46", in SE¼SW¼NE¼ sec. 34, T. 37 N., R. 14 E., Idaho County, Hydrologic Unit 17060303, attached to downstream right bank bridge wingwall, 250 ft upstream from confluence with Lochsa River, and 1.4 mi east of Powell Ranger Station.

DRAINAGE AREA.--11.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to September 1986.

GAGE.--Water-stage recorder. Elevation of gage is 3,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38 ft^3/s July 11, gage height, 0.85 ft; minimum, 2.9 ft^3/s Sept. 7, 11, gage height, 0.52 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	22	13	5.2
2									---	22	13	4.3
3									---	21	12	4.0
4									---	28	11	3.7
5									---	29	10	3.5
6									---	25	10	3.4
7									---	23	9.9	3.1
8									---	22	9.7	3.6
9									---	23	9.3	3.7
10									---	24	9.3	3.3
11									---	32	9.5	3.1
12									---	31	9.3	3.6
13									---	27	8.5	3.9
14									---	25	8.2	4.1
15									---	24	7.7	4.8
16									---	24	7.1	4.6
17									---	22	6.9	4.9
18									---	21	6.6	5.5
19									---	20	6.2	5.1
20									---	19	5.9	5.6
21									---	19	6.6	5.5
22									---	18	6.2	5.0
23									---	17	5.7	4.7
24									28	16	5.1	4.5
25									27	15	5.0	4.6
26									25	14	4.7	5.4
27									24	14	4.4	5.4
28									23	13	4.3	5.5
29									24	13	4.5	5.5
30									23	13	4.2	6.1
31									---	13	6.4	---
TOTAL									---	649	240.2	135.2
MEAN									---	20.9	7.75	4.51
MAX									---	32	13	6.1
MIN									---	13	4.2	3.1
AC-FT									---	1290	476	268

13336635 WALTON CREEK NEAR POWELL RANGER STATION, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1986 to September 1986.
INSTRUMENTATION.--Temperature recorder since June 1986.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 13.0 °C Aug. 11, 1986; minimum, 4.0 °C Sept. 23, 1986.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	12.0	9.0	11.0	7.5	11.0	10.0
2					---	---	13.0	10.5	12.0	9.0	11.0	10.0
3					---	---	12.0	10.5	12.5	9.5	11.0	9.0
4					---	---	10.5	8.0	12.5	9.5	11.0	9.0
5					---	---	8.5	7.0	12.0	9.0	10.5	9.0
6					---	---	10.0	6.5	12.0	9.0	9.5	7.5
7					---	---	11.0	7.5	12.0	9.5	9.5	6.5
8					---	---	10.5	8.5	12.0	9.5	10.0	9.0
9					---	---	11.0	9.5	12.5	9.5	10.0	9.0
10					---	---	10.0	9.5	12.5	10.0	9.5	8.5
11					---	---	11.0	9.5	13.0	11.0	9.0	7.5
12					---	---	11.0	9.0	11.5	10.5	8.0	6.5
13					---	---	11.0	8.0	11.5	9.5	8.5	7.5
14					---	---	10.5	8.5	12.0	9.5	8.5	7.5
15					---	---	10.5	8.5	12.0	9.5	8.0	7.0
16					---	---	9.5	8.0	12.0	9.5	8.0	7.0
17					---	---	9.5	6.5	12.5	10.0	8.0	6.5
18					---	---	10.0	7.0	12.5	10.0	7.5	7.0
19					---	---	11.5	8.5	12.0	10.0	7.5	6.5
20					---	---	12.0	9.0	11.5	9.0	7.0	6.5
21					---	---	12.5	9.5	10.5	10.0	7.0	6.0
22					---	---	13.0	10.0	11.5	9.0	6.5	5.0
23					---	---	12.0	9.5	11.5	9.5	6.0	4.0
24					12.5	11.0	12.0	9.0	11.5	9.5	7.0	6.0
25					13.0	10.5	12.0	9.5	11.5	9.5	7.0	6.5
26					12.0	10.0	11.5	9.0	11.5	9.0	6.5	6.0
27					12.5	10.5	11.0	9.0	12.0	9.5	6.0	5.0
28					12.5	10.5	11.0	8.0	12.0	10.0	6.0	5.0
29					12.0	10.0	10.5	8.5	12.0	11.0	6.0	5.5
30					11.5	9.0	10.5	7.0	12.0	10.0	6.5	6.0
31					---	---	10.5	6.5	11.0	10.5	---	---
MONTH					13.0	9.0	13.0	6.5	13.0	7.5	11.0	4.0
YEAR	13.0	4.0										

13337000 LOCHSA RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°09'02", long 115°35'11", in SW¼SW¼SE¼ sec. 33, T. 33 N., R. 7 E., Idaho County, Hydrologic Unit 17060303, Clearwater National Forest, on right bank 0.7 mi upstream from Lowell, 0.9 mi upstream from confluence with Selway River, 1.2 mi downstream from Pete King Creek, and 19 mi east of Kooskia.

DRAINAGE AREA.--1,180 mi^2, approximately. Mean elevation, 5,250 ft.

PERIOD OF RECORD.--October 1910 to September 1912, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 1,452.98 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1930, nonrecording gages at site 1 mi upstream at different datums.

REMARKS.--Estimated daily discharges: Nov. 25-27, Dec. 2-4, 12-16, Dec. 21 to Jan. 1, Jan. 6-7, 13-15. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--59 years, 2,898 ft^3/s, 33.36 in./yr, 2,100,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,100 ft^3/s June 8, 1964, gage height, 13.50 ft, from rating curve extended above 17,000 ft^3/s; minimum, probably less than 100 ft^3/s Jan. 8, 1937, during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	0915	12200	7.90	May 30	0300	*20400	*10.24

Minimum discharge, 338 ft^3/s Aug. 29, gage height, 1.85 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25-27, Dec. 2-4, 12-16, Dec. 21 to Jan. 1, Jan. 6-7, 13-15)

1.8	311	4.0	2740
2.0	420	6.0	6840
2.5	806	8.0	12500
3.0	1340	10.0	19500

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	909	2090	1160	960	1860	5610	6280	4420	16400	1610	627	509
2	890	2800	1160	1070	2070	5590	5750	4720	14700	1490	609	542
3	909	3370	1160	1120	2030	5570	5190	5740	13000	1420	586	466
4	971	3170	1200	995	1920	5360	4950	8230	11300	1580	563	422
5	887	3630	1260	967	1810	5250	4610	7650	12200	2260	543	393
6	883	3360	1250	940	1650	5070	4850	6970	10300	1860	528	368
7	1530	3420	1270	950	1480	6200	5080	6420	8660	1590	514	355
8	1280	3300	1240	984	1250	8220	5700	6390	7780	1440	501	427
9	1020	2910	1140	1040	1220	7830	6310	6480	6790	1410	486	589
10	957	2570	995	1060	1310	7040	6530	6460	6070	1400	473	528
11	1070	2360	876	894	1250	6620	6280	6300	5700	1690	467	450
12	1180	2060	860	911	1120	6120	5950	5840	5470	1780	464	408
13	1140	1990	880	890	1110	5530	5520	5860	4960	1510	489	433
14	1070	1880	920	860	1100	5080	5030	6120	4530	1330	490	486
15	1120	1890	980	870	1200	4590	4800	5530	4450	1250	459	522
16	1300	2070	1050	591	1420	4270	5070	5200	4030	1210	434	538
17	1480	1980	1100	1230	2110	4020	4780	5180	3720	1260	420	641
18	1330	1820	1060	1040	2110	3740	4480	5530	3500	1170	409	609
19	1250	1660	958	990	1930	3550	4210	7310	3270	1070	398	627
20	1230	1610	886	1040	1730	3430	4190	9630	2930	998	388	852
21	1250	1560	870	981	1650	3500	4800	11900	2670	952	390	785
22	1470	1430	850	912	1740	3440	7000	10800	2460	909	428	634
23	1580	1150	820	897	2700	3310	8140	8570	2310	874	440	554
24	1590	1140	790	854	6290	3640	7000	7890	2190	833	401	588
25	2390	1200	770	884	6840	3590	6420	8850	2100	800	378	649
26	3430	1300	760	821	7090	3440	5770	12100	2000	768	367	640
27	2770	1380	750	812	6960	3590	5390	16100	1890	741	356	670
28	2550	1400	770	970	6130	4220	5290	18200	1780	715	348	734
29	2330	1350	810	1130	---	5250	4900	19000	1830	690	344	791
30	2160	1230	850	1490	---	6510	4570	18900	1780	671	369	897
31	2050	---	900	1690	---	6870	---	17700	---	649	435	---
TOTAL	45976	63100	30345	31343	71180	156050	165040	275990	170770	37930	14104	17107
MEAN	1483	2103	979	1011	2542	5034	5501	8903	5692	1224	455	570
MAX	3430	3630	1270	1690	7090	8220	8140	19000	16400	2260	627	897
MIN	883	1140	750	812	1100	3310	4190	4420	1780	649	344	355
CFSM	1.26	1.78	.83	.86	2.15	4.27	4.66	7.54	4.82	1.04	.39	.48
IN.	1.45	1.99	.96	.99	2.24	4.92	5.20	8.70	5.38	1.20	.44	.54
AC-FT	91190	125200	60190	62170	141200	309500	327400	547400	338700	75230	27980	33930

CAL YR 1985 TOTAL 1001334 MEAN 2743 MAX 18500 MIN 415 CFSM 2.32 IN. 31.57 AC-FT 1986000
WTR YR 1986 TOTAL 1078935 MEAN 2956 MAX 19000 MIN 344 CFSM 2.51 IN. 34.01 AC-FT 2140000

13337177 SOUTH FORK RED RIVER AT RED RIVER RANGER STATION, ID

WATER-QUALITY RECORDS

LOCATION.--Lat 45°42'28", long 115°20'36", in SW¼NW¼, sec.4, T.27 N., R.9 E., Hydrologic Unit 17060305, in Idaho County. Temperature recorder is on left bank just upstream from Red River Ranger Station, 950 ft upstream from bridge across the South Fork, 1,200 ft upstream from Red River, and approximately 9.2 mi southeast of Elk City.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1984 to current year.

INSTRUMENTATION.--Temperature recorder since July 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 21.5 °C July 24-27, 1985; minimum, 0.5 °C Sept. 29-30, 1985.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 21.0 °C Aug. 3; minimum, 2.5 °C Sept. 23.

Temperature, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	17.0	8.5	18.5	8.0	15.0	11.5
2					---	---	18.5	10.5	19.5	9.5	15.5	11.0
3					---	---	16.0	12.0	21.0	12.0	17.5	9.5
4					---	---	12.0	7.5	20.5	11.0	17.5	9.0
5					---	---	10.5	7.0	19.5	10.0	16.5	9.0
6					---	---	14.5	5.5	20.0	10.0	16.5	8.5
7					---	---	14.5	7.5	19.5	10.0	15.0	8.5
8					---	---	14.5	9.5	20.5	11.0	11.5	10.5
9					---	---	12.5	10.0	20.5	11.0	12.5	9.0
10					---	---	11.0	10.0	20.5	11.0	12.5	9.0
11					---	---	15.0	9.5	19.5	13.5	13.0	7.5
12					---	---	16.0	8.5	17.0	12.0	9.0	5.5
13					---	---	16.5	8.5	19.0	10.0	11.0	7.0
14					---	---	13.5	10.0	20.0	10.0	10.0	7.5
15					---	---	16.5	8.5	20.0	11.0	9.5	6.0
16					---	---	11.5	8.5	18.5	10.5	10.0	5.5
17					---	---	14.5	6.5	19.0	11.5	10.0	6.5
18					---	---	16.5	7.5	20.0	11.0	9.5	6.5
19					---	---	18.0	9.0	18.5	11.5	9.5	5.0
20					---	---	19.0	10.0	18.0	10.0	7.0	5.5
21					---	---	19.5	10.0	16.0	12.5	9.0	4.5
22					---	---	19.0	11.5	19.0	10.0	9.5	3.5
23					---	---	19.0	10.5	17.5	12.0	9.5	2.5
24					---	---	19.0	10.0	18.5	10.0	8.0	5.5
25					---	---	16.5	11.0	18.0	10.0	7.5	5.0
26					---	---	18.0	9.5	19.0	9.5	8.0	4.0
27					16.0	11.5	17.5	9.5	19.5	10.0	6.0	3.5
28					15.5	10.5	18.0	9.0	18.5	10.5	6.5	3.5
29					13.0	10.5	18.0	10.0	16.5	13.0	6.5	4.0
30					15.5	8.5	16.5	9.0	16.0	12.0	8.0	5.5
31					---	---	17.5	8.0	14.0	11.0	---	---
MONTH					16.0	8.5	19.5	5.5	21.0	8.0	17.5	2.5

13337180 RED RIVER BELOW SOUTH FORK NEAR RANGER STATION, ID

WATER-QUALITY RECORDS

LOCATION.--Lat 45°42'13", long 115°20'44", in NW¼NW¼, sec.5, T.27 N., R.9 E., Hydrologic Unit 17060305, in Idaho County. Temperature recorder on right bank 10 ft south of Red River Road, 600 ft downstream from the mouth of the South Fork Red River, and approximately 9 mi southeast of Elk City.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1984 to current year.

INSTRUMENTATION.--Temperature recorder since July 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 24.0 °C July 10, 1985; minimum, 0.0 °C Sept. 29-30, 1985.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 22.5 °C Aug. 3-4; minimum, 5.5 °C July 6.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	20.0	10.5	20.0	10.0	15.5	11.0
2					---	---	20.5	11.0	21.0	11.0	16.5	11.0
3					---	---	18.5	14.0	22.5	14.0	18.0	10.5
4					---	---	14.0	8.5	22.5	12.0	18.0	10.0
5					---	---	13.0	7.5	21.0	11.0	17.5	9.5
6					---	---	16.0	6.5	21.5	11.0	17.5	9.0
7					---	---	16.0	9.0	20.5	11.0	15.5	9.0
8					---	---	16.0	11.0	22.0	11.5	13.0	10.5
9					---	---	14.5	11.0	22.0	11.0	13.0	9.0
10					---	---	14.0	11.0	21.0	12.0	13.0	9.5
11					---	---	18.5	10.5	21.0	14.5	---	---
12					---	---	18.5	10.0	18.0	13.5	---	---
13					---	---	19.5	10.0	19.5	10.5	---	---
14					---	---	15.0	11.5	21.0	10.5	---	---
15					---	---	19.0	9.5	21.0	11.0	---	---
16					---	---	13.5	9.5	20.0	11.0	---	---
17					---	---	15.5	7.5	20.5	11.5	---	---
18					---	---	19.0	8.5	21.0	11.0	---	---
19					---	---	20.0	10.5	19.5	12.5	---	---
20					---	---	21.0	12.0	19.0	10.5	---	---
21					---	---	21.5	12.0	18.0	13.5	---	---
22					---	---	20.5	13.0	19.5	11.0	---	---
23					---	---	20.5	11.5	18.0	12.5	---	---
24					---	---	20.5	11.0	19.0	10.5	---	---
25					---	---	19.0	13.0	18.5	11.0	---	---
26					---	---	19.5	11.5	19.5	10.5	---	---
27					19.0	---	19.5	11.5	20.0	10.5	---	---
28					18.5	12.5	19.0	10.5	18.5	11.0	---	---
29					15.5	13.0	19.0	10.5	17.5	14.0	---	---
30					18.5	10.5	18.5	10.5	16.5	13.0	---	---
31					---	---	19.0	9.5	14.5	10.5	---	---
MONTH					19.0	10.5	21.5	6.5	22.5	10.0	18.0	9.0

13337510 CROOKED RIVER NEAR OROGRANDE, ID

WATER-QUALITY RECORDS

LOCATION.--Lat 45°42'57", long 115°32'21", in NW¼SE¼, sec. 31, T.28 N., R.7 E., Hydrologic Unit 17060305, in Idaho County. Temperature recorder is on left bank 300 ft southeast of Crooked River Road, 400 ft upstream from Five Mile Creek, and 0.75 mi north of Orogrande.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1984 to current year.

INSTRUMENTATION.--Temperature recorder since July 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 19.5 °C Aug. 12, 1984; minimum, 1.0 °C Sept. 28-29, 1984.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 18.5 °C Aug. 11; minimum, 3.0 °C Sept. 23.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	14.5	8.0	16.0	7.5	13.5	11.0
2					---	---	15.5	9.5	16.5	9.0	14.5	10.5
3					---	---	14.0	10.5	17.5	11.0	15.5	9.5
4					---	---	10.0	6.5	17.5	10.0	15.5	9.0
5					---	---	8.5	6.0	17.0	9.5	15.5	11.0
6					---	---	12.0	5.0	17.0	9.5	15.0	10.0
7					---	---	11.5	6.5	16.5	9.5	12.5	8.5
8					---	---	12.5	8.5	18.0	10.5	11.5	10.0
9					---	---	11.5	8.5	18.0	10.0	11.0	8.5
10					---	---	10.0	9.0	18.0	10.5	11.0	8.5
11					---	---	13.5	9.0	18.5	12.0	---	---
12					---	---	14.0	7.5	15.0	11.5	---	---
13					---	---	14.5	8.0	16.0	9.5	---	---
14					---	---	11.5	9.0	17.5	10.0	---	---
15					---	---	14.0	7.5	17.5	10.5	---	---
16					---	---	9.0	7.0	16.5	9.5	---	---
17					---	---	12.5	5.5	16.5	10.5	---	---
18					---	---	13.5	6.5	18.0	10.5	---	---
19					---	---	14.5	8.0	17.0	11.0	---	---
20					---	---	16.0	8.5	17.0	9.5	---	---
21					---	---	16.5	9.0	15.0	12.0	7.5	4.0
22					---	---	16.0	10.0	15.5	9.5	9.0	3.5
23					---	---	16.0	9.5	16.5	11.5	9.0	3.0
24					---	---	15.5	9.0	17.0	10.0	7.5	5.5
25					---	---	15.0	9.5	16.5	10.0	8.0	5.0
26					---	---	15.5	9.0	17.0	9.5	7.5	4.5
27					13.0	11.0	15.0	9.0	17.5	10.0	6.0	4.0
28					14.0	9.5	15.5	8.0	16.5	10.0	6.0	3.5
29					11.0	9.5	14.5	9.0	15.5	12.5	6.0	4.0
30					13.5	7.5	14.0	8.0	14.5	12.0	---	---
31					---	---	15.0	7.0	13.0	11.0	---	---
MONTH					14.0	7.5	16.5	5.0	18.5	7.5	15.5	3.0

13337520 CROOKED RIVER NEAR MOUTH NEAR ELK CITY, ID

WATER-QUALITY RECORDS

LOCATION.--Lat 45°49'19", long 115°31'37", in SW¼NW¼, sec.25, T.29 N., R.7 E., Hydrologic Unit 17060305, in Idaho County. Temperature recorder is on right bank 600 ft west of Crooked River Road, 1,000 ft upstream from mouth, and approximately 5.5 mi west of Elk City.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1984 to current year.

INSTRUMENTATION.--Temperature recorder since July 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 21.5 °C July 9-10, 1985; minimum, 3.0 °C Sept. 29-30, 1985.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 21.0 °C Aug. 3; minimum, 6.0 °C Sept. 27-29.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	---	---	19.0	11.0	15.5	13.0
2					---	---	---	---	19.5	12.5	17.0	13.0
3					---	---	---	---	21.0	14.5	18.5	12.5
4					---	---	---	---	20.5	14.0	18.5	12.5
5					---	---	---	---	20.0	13.0	18.0	12.5
6					---	---	---	---	20.0	13.0	17.5	12.0
7					---	---	---	---	19.5	13.0	15.0	11.5
8					---	---	---	---	20.5	14.0	14.0	12.5
9					---	---	---	---	20.5	13.5	13.5	11.0
10					---	---	---	---	20.5	14.0	15.0	11.0
11					---	---	---	---	20.5	15.5	15.0	11.5
12					---	---	---	---	18.5	15.0	11.5	9.0
13					---	---	---	---	19.5	13.0	12.0	10.0
14					---	---	---	---	20.0	13.5	11.0	10.0
15					---	---	---	---	20.0	14.0	11.0	9.0
16					---	---	---	---	19.5	13.5	11.0	9.0
17					---	---	---	---	19.5	14.5	12.0	8.5
18					---	---	---	---	20.0	14.0	10.5	9.0
19					---	---	---	---	19.0	14.5	11.5	8.5
20					---	---	---	---	19.5	13.0	9.5	8.0
21					---	---	---	---	18.0	15.0	10.5	7.0
22					---	---	---	---	19.5	13.0	11.0	7.0
23					---	---	19.0	---	19.5	14.5	11.0	6.5
24					---	---	19.5	12.5	19.5	13.5	9.5	8.0
25					---	---	19.5	13.0	18.5	13.5	10.0	7.5
26					---	---	18.5	12.5	19.5	12.5	9.5	7.0
27					18.0	---	18.5	12.5	19.5	13.0	8.0	6.0
28					19.0	12.0	18.5	11.5	19.5	13.5	8.5	6.0
29					15.5	12.5	18.5	12.5	18.0	15.5	7.5	6.0
30					17.5	11.0	17.5	11.5	17.0	14.0	9.0	7.0
31					---	---	18.0	11.0	15.5	13.0	---	---
MONTH					19.0	11.0	19.5	11.0	21.0	11.0	18.5	6.0

13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID

LOCATION.--Lat 46°105'12", long 115°58'32", in NE¼SE¼NE¼ sec. 29, T. 32 N., R. 4 E., Idaho County, Hydrologic Unit 17060305, on left bank at Stites, 0.4 mi upstream from county road bridge, 0.4 mi downstream from Cottonwood Creek, and at mile 4.0.

DRAINAGE AREA.--1,150 mi^2, approximately.

PERIOD OF RECORD.--October 1910 to April 1912, October 1964 to current year. Published as "at Kooskia," 1910-12.

REVISED RECORDS.--WSP 1317: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1910 to April 1912 ,nonrecording gage 3.6 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 30 to Dec. 1, Dec. 12-19, Dec. 22 to Jan. 15, and Jan. 24-29. Records good except for estimated daily discharges, which are fair. No regulation above station.

AVERAGE DISCHARGE.--23 years (1911, 1965-86), 1,109 ft^3/s, 13.10 in./yr, 803,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 10,700 ft^3/s May 29, 1912, gage height, 6.00 ft, site and datum then in use; minimum, 72 ft^3/s Nov. 28, 1976, gage height, 2.41 ft; minimum gage height, 2.40 ft Dec. 18, 1985 (ice affected).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 10.3 ft, from floodmarks, present site and datum, discharge, 17,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,800 (revised) ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 23	1130	*5480	*6.50	May 11	0300	4650	6.14
Apr. 23	0600	4320	5.99	May 21	2145	4270	5.97
May 4	1745	5320	6.43	May 30	0545	4190	5.93

Minimum discharge, 202 ft^3/s Aug. 21, minimum gage height, 2.80 ft, Aug. 21, 29.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 30 to Dec. 1, Dec. 12-19, and Dec. 22 to Jan. 15;
shifting-control method used Jan. 15-23, Jan. 30, Feb. 4-14, Feb. 23-27, Mar. 8, 9, 12, 31,
Apr. 23-26, May 4-15, May 19 to June 11)

2.8	192	4.5	1870
3.0	300	5.0	2720
3.5	671	6.0	4780
4.0	1200		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	331	410	345	1290	2330	2540	2370	3460	598	287	361
2	249	441	467	360	1270	2360	2470	2350	3240	544	282	372
3	249	591	533	380	1210	2330	2220	2550	3150	518	277	366
4	254	519	601	390	1070	2190	2170	4110	2860	520	273	358
5	247	770	564	420	1100	2200	2060	4030	2730	940	264	347
6	239	648	509	460	1040	2100	2050	3800	2990	1030	255	337
7	433	633	484	530	834	2270	2080	3850	2440	872	251	330
8	521	689	497	600	709	2850	2200	3650	2250	687	252	323
9	366	607	446	680	582	2900	2360	3500	2010	618	246	327
10	307	514	402	730	629	2610	2450	4080	1800	549	237	335
11	348	453	388	760	626	2870	2330	4210	1670	586	237	271
12	429	432	360	760	576	2960	2220	3570	1590	643	236	241
13	415	368	350	750	549	2730	2160	3330	1460	726	235	244
14	356	346	340	740	527	2440	2010	3280	1350	661	238	263
15	358	349	350	730	824	2150	1910	2940	1340	492	232	320
16	397	428	360	728	1920	1990	1970	2730	1240	484	226	317
17	420	449	370	1210	2140	1960	2040	2600	1140	546	217	304
18	380	430	380	951	2360	1800	1920	2580	1070	546	213	302
19	348	371	390	1210	1630	1720	1800	2860	1080	465	207	298
20	347	349	443	1330	1320	1720	1760	3090	990	423	207	435
21	344	371	411	882	1240	1710	1900	3650	924	393	207	633
22	372	374	390	897	1910	1720	2350	3630	851	371	267	424
23	360	327	370	792	4050	1620	3850	3010	801	355	305	346
24	351	267	360	700	3970	2050	3030	2770	753	348	269	318
25	363	361	355	630	3580	1940	2910	2760	715	340	238	354
26	427	455	350	590	3140	1790	2790	2990	706	333	224	384
27	408	500	345	610	2780	1850	2530	3340	680	328	215	355
28	367	494	340	680	2480	2030	2640	3740	633	321	208	331
29	352	492	340	800	---	2340	2550	3900	610	310	218	364
30	338	435	340	1070	---	2570	2450	4000	603	304	329	463
31	328	---	340	1120	---	2740	---	3710	---	293	333	---
TOTAL	10924	13794	12583	22635	45356	68640	69720	102980	47136	16144	7685	10423
MEAN	352	460	406	730	1620	2214	2324	3322	1571	521	248	347
MAX	521	770	601	1330	4050	2960	3850	4210	3460	1030	333	633
MIN	230	267	340	345	527	1620	1760	2350	603	293	207	241
CFSM	.31	.40	.35	.63	1.41	1.93	2.02	2.89	1.37	.45	.22	.30
IN.	.35	.45	.41	.73	1.47	2.22	2.26	3.33	1.52	.52	.25	.34
AC-FT	21670	27360	24960	44900	89960	136100	138300	204300	93490	32020	15240	20670

CAL YR 1985 TOTAL 277942 MEAN 761 MAX 4200 MIN 150 CFSM .66 IN. 8.99 AC-FT 551300
WTR YR 1986 TOTAL 428020 MEAN 1173 MAX 4210 MIN 207 CFSM 1.02 IN. 13.85 AC-FT 849000

13339500 LOLO CREEK NEAR GREER, ID

LOCATION.--Lat 46°22'20", long 116°09'40", in NE¼SE¼SE¼ sec. 14, T. 35 N., R. 2 E., Idaho County, Hydrologic Unit 17060306, on left bank upstream side of county road bridge 2,000 ft upstream from mouth, 1.35 mi southeast of Greer, and 8.5 mi southeast of Orofino.

DRAINAGE AREA.--243 mi^2.

PERIOD OF RECORD.--October 1979 to current year. Daily record, December 1911 to December 1912, published in WSP 332. Miscellaneous streamflow measurements made 1928, 1929, and 1964 are published in Miscellaneous Streamflow Measurements in Idaho, 1894-1967.

GAGE.--Water-stage recorder. Elevation of gage 1,120 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 25-29, Dec. 11-19, Dec. 22 to Jan. 9. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--7 years, 345 ft^3/s, 19.28 in./yr, 250,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,920 ft^3/s May 26, 1980, gage height, 16.14 ft; minimum, 18 ft^3/s Nov. 14, 30, 1979, gage height, 7.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	1800	*2740	*14.58	Mar. 30	2400	1260	12.07
Mar. 8	0030	2500	14.22				

Minimum discharge, 22 ft^3/s Aug. 29, gage height, 7.43 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25-29, Dec. 11-19, Dec. 22 to Jan. 9)

7.5	20	10.0	430
8.0	57	11.0	770
8.5	112	13.0	1700
9.0	197	15.0	3020

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	165	120	110	742	1220	954	596	359	81	43	65
2	77	350	122	110	834	1210	876	568	323	76	42	55
3	75	331	345	112	834	1190	815	588	312	72	40	44
4	73	282	359	115	810	1130	781	856	292	75	38	40
5	68	476	345	115	686	1110	754	948	272	178	36	35
6	68	438	308	115	576	1080	734	862	263	132	35	34
7	191	471	293	120	490	1340	722	826	261	97	34	30
8	186	498	254	130	394	2250	754	787	238	85	33	30
9	114	437	204	140	348	2330	835	750	220	82	32	46
10	95	360	191	167	372	1950	789	791	201	84	31	53
11	94	309	160	166	342	1730	730	862	184	108	30	42
12	114	219	150	166	298	1980	662	855	169	105	30	37
13	121	244	140	159	265	1560	644	827	157	86	30	36
14	107	172	135	151	266	1300	606	853	148	78	30	36
15	99	196	140	144	358	1070	560	742	181	74	30	41
16	95	229	145	134	529	960	779	638	158	71	28	45
17	113	209	150	145	814	933	860	602	138	93	28	47
18	109	192	152	240	702	870	799	568	128	91	26	57
19	97	151	155	339	578	845	706	544	131	76	26	70
20	91	163	151	331	493	842	652	541	126	68	25	78
21	91	150	143	301	475	859	666	641	116	63	25	105
22	139	134	130	254	490	863	784	754	109	60	26	75
23	223	104	125	231	1260	816	950	599	103	57	28	57
24	208	109	115	221	2580	926	837	517	98	54	26	65
25	227	120	110	206	2250	986	789	487	93	53	25	146
26	339	135	110	203	1860	881	758	475	89	50	22	112
27	247	145	105	203	1560	887	683	472	87	49	22	98
28	208	145	105	204	1320	954	769	463	85	48	22	91
29	185	140	105	252	---	982	702	454	83	46	22	184
30	162	129	105	459	---	1030	652	444	83	46	35	170
31	154	---	108	630	---	1160	---	406	---	45	62	---
TOTAL	4248	7203	5280	6373	22526	37244	22602	20316	5207	2383	962	2024
MEAN	137	240	170	206	805	1201	753	655	174	76.9	31.0	67.5
MAX	339	498	359	630	2580	2330	954	948	359	178	62	184
MIN	68	104	105	110	265	816	560	406	83	45	22	30
AC-FT	8430	14290	10470	12640	44680	73870	44830	40300	10330	4730	1910	4010

CAL YR 1985	TOTAL	110542	MEAN	303	MAX	1800	MIN	37	AC-FT	219300
WTR YR 1986	TOTAL	136368	MEAN	374	MAX	2580	MIN	22	AC-FT	270500

13340000 CLEARWATER RIVER AT OROFINO, ID

LOCATION.--Lat 46°28'43", long 116°15'23", in SW¼SE¼NW¼ sec. 7, T. 36 N., R.2 E., Clearwater County, Hydrologic Unit 17060306, on right bank 56 ft upstream from State Highway 7 bridge at Orozinc, and at mile 44.6.

DRAINAGE AREA.--5,580 mi^2, approximately.

PERIOD OF RECORD.--October 1930 to September 1938, October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 990.80 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Department of Highways). Prior to Sept. 30, 1938, nonrecording gage at site 0.1 mi downstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 25 to Dec. 1, Dec. 3-5, 13-16, Dec. 23 to Jan. 6. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--30 years, 9,020 ft^3/s, 21.95 in./yr, 6,535,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 87,300 ft^3/s June 2, 1972, gage height, 18.84 ft, present datum; minimum observed, probably less than 250 ft^3/s Jan. 6, 1937, during period of ice effect; minimum gage height, 1.96 ft Nov. 30, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 20.32 ft, present site and datum, discharge, 99,700 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 30,000 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	2145	33000	11.20	May 21	2145	38200	12.06
May 4	1945	30300	10.78	May 30	0945	*59700	*15.08

Minimum discharge, 1,220 ft^3/s Aug. 28, gage height, 2.47 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 26 to Nov. 24, Dec. 2, 6-12, 19-22, Jan. 9 to May 20, May 23-25;
stage-discharge relation affected by ice Nov. 25 to Dec. 1, Dec. 3-5, 13-16, Dec. 23 to Jan. 6)

2.5	1190	7.0	12800
3.0	1900	9.0	21500
4.0	3760	12.0	38000
5.0	6180	15.0	58600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2460	4530	2400	1950	8260	19900	18900	14700	50000	5900	2210	2010
2	2410	5610	2280	2100	8780	19400	17800	14700	45700	5360	2150	1940
3	2370	7610	2400	2300	8460	19400	15900	16900	41300	5030	2090	1820
4	2450	7520	2600	2500	8160	18600	14900	24900	37200	4970	2020	1620
5	2550	8480	2900	2700	7470	18000	14400	26800	37300	7280	1940	1480
6	2380	8460	3090	3000	7030	17100	14300	24100	34500	7120	1870	1390
7	3030	8100	3090	3340	6010	18900	14600	22700	29500	5850	1820	1320
8	4020	8310	3170	3260	5060	27100	16000	21800	26000	5180	1780	1290
9	3190	7590	3030	3170	4250	27000	18000	21600	23300	4930	1730	1750
10	2650	6550	2670	3290	4350	24600	18700	22200	20900	5050	1690	2260
11	2660	5710	1970	3440	4430	22600	18200	22600	19600	5560	1640	1880
12	3070	5340	1790	3310	3960	22800	17100	21000	19000	6060	1620	1600
13	3210	4650	1800	3110	3640	20600	16300	19800	17600	5350	1610	1510
14	2980	4330	1900	2980	3580	18300	14800	20800	16100	4650	1640	1570
15	2850	4130	2150	2960	3850	16300	14000	18700	15600	4320	1640	1710
16	3060	4670	2500	2950	5990	14800	14500	17300	14600	4110	1560	1870
17	3500	5020	2750	3620	9170	14000	14600	16800	13300	4270	1500	1860
18	3590	4630	2950	4420	10300	12800	13700	16800	12500	4240	1460	2020
19	3270	4110	2930	4620	9100	11900	12300	20700	11800	3840	1430	1950
20	3120	3810	2580	5160	7670	11400	12200	27800	10600	3560	1390	2030
21	3110	3740	2190	5240	6780	11200	13400	35500	9600	3360	1360	3080
22	3370	3440	1880	4390	7500	11400	18200	35700	8850	3210	1450	2550
23	3920	2580	1830	3920	15600	10800	27700	28500	8280	3070	1760	2140
24	4020	2030	1800	4090	28800	11900	24100	24900	7830	2940	1620	2000
25	4120	2150	1780	3800	30000	12800	21900	25700	7520	2820	1460	2200
26	7170	2350	1740	3220	26900	11400	19900	32900	7260	2710	1370	2290
27	6620	2550	1750	3000	25400	11300	17700	44500	6930	2620	1330	2300
28	5790	2600	1770	3310	22200	12500	17800	51200	6480	2540	1240	2280
29	5470	3160	1780	4130	---	14900	16600	54200	6200	2460	1230	2570
30	4940	2500	1800	5930	---	18100	15500	55600	6350	2370	1440	2730
31	4680	---	1880	7710	---	20900	---	53000	---	2270	1620	---
TOTAL	112030	146260	71150	112920	292700	522700	504000	854400	571700	133000	50670	59030
MEAN	3614	4875	2295	3643	10450	16860	16800	27560	19060	4290	1635	1968
MAX	7170	8480	3170	7710	30000	27100	27700	55600	50000	7280	2210	3080
MIN	2370	2030	1740	1950	3580	10800	12200	14700	6200	2270	1230	1290
CFSM	.65	.87	.41	.65	1.87	3.02	3.01	4.94	3.42	.77	.29	.35
IN.	.75	.98	.47	.75	1.95	3.48	3.36	5.70	3.81	.89	.34	.39
AC-FT	222200	290100	141100	224000	580600	1037000	999700	1695000	1134000	263800	100500	117100

CAL YR 1985	TOTAL	2798080	MEAN	7666	MAX	45500	MIN	1260	CFSM	1.37	IN.	18.65	AC-FT	5550000
WTR YR 1986	TOTAL	3430560	MEAN	9399	MAX	55600	MIN	1230	CFSM	1.68	IN.	22.87	AC-FT	6805000

13340600 NORTH FORK CLEARWATER RIVER NEAR CANYON RANGER STATION, ID

LOCATION.--Lat 46°50'26", long 115°37'11", in SE¼SE¼NE¼ sec. 6, T. 40 N., R. 7 E., Clearwater County, Hydrologic Unit 17060307, Clearwater National Forest, on left bank immediately upstream from forest road bridge, 0.1 mi upstream from Beaver Creek, 1.7 mi downstream from Canyon Ranger Station, and at mile 58.0.

DRAINAGE AREA.--1,360 mi^2, approximately.

PERIOD OF RECORD.--April 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,660.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Estimated daily discharge: Nov. 25-27, Dec. 2-4, 12-18, Dec. 22 to Jan. 10, Jan. 14-18, July 1-17. Records good except for periods of estimated daily discharges, which are fair. No regulation or diversion above station.

AVERAGE DISCHARGE.--19 years (1968-86), 3,638 ft^3/s, 36.33 in./yr, 2,636,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,300 ft^3/s June 16, 1974, gage height, 16.6 ft; maximum gage height, 17.04 ft, June 1, 1972; minimum, 200 ft^3/s Dec. 5, 1972, gage height, 5.00 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	1900	13600	12.01	May 21	0945	12400	11.63
Mar. 8	0430	14700	12.34	May 30	0100	*16500	*12.87
Mar. 30	2400	12100	11.53				

Minimum discharge, 640 ft^3/s Sept. 7-8, gage height, 5.65 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25-27, Dec. 2-4, 12-18, Dec. 22 to Jan. 10, Jan. 14-18)

5.6	604	8.0	3530
6.0	920	10.0	7800
6.5	1430	12.0	13600
7.0	2030	14.0	20900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	2440	1460	780	2850	8440	9570	6040	13400	2150	1070	849
2	1090	3980	1400	800	3050	8070	8650	6320	12200	2060	1050	800
3	1080	4700	1450	810	2920	7900	7700	7270	10900	2000	1020	757
4	1040	4170	1550	840	2770	7500	7410	9670	9700	2080	989	727
5	1010	5180	1770	860	2550	7390	7160	9270	9700	2550	963	692
6	1000	4620	1690	920	2330	7240	7030	8700	9260	2700	936	661
7	1320	5140	1720	970	2010	9010	7270	8190	7850	2450	917	647
8	1200	4710	1640	1040	1700	14000	7990	8240	6980	2000	903	699
9	988	4030	1490	1100	1720	12500	8850	8380	6260	1900	884	1140
10	989	3450	1300	1200	1930	10400	8980	8260	5740	1900	866	880
11	1090	3160	1130	1290	1760	9160	8700	7990	5330	2050	886	751
12	1280	2710	970	1150	1630	8330	8200	7450	5000	2200	871	699
13	1240	2660	930	1110	1550	7560	7660	7850	4600	2300	926	704
14	1130	2370	920	1040	1570	6980	6950	8080	4480	2050	889	779
15	1180	2350	940	1030	1740	6320	6680	7310	4660	1850	841	821
16	1290	2730	970	1080	3200	5900	7200	7110	4070	1800	805	829
17	1510	2560	1030	1150	4480	5640	6900	7150	3810	1860	785	837
18	1330	2320	1150	1220	3440	5250	6430	7350	3580	1680	768	892
19	1230	2100	1280	1340	2890	4960	6020	8650	3480	1520	750	968
20	1200	2080	1190	1430	2440	4870	5950	10400	3260	1440	735	968
21	1210	1990	1130	1380	2440	5140	6740	12100	3090	1390	723	1100
22	1510	1780	1050	1230	2410	5170	9220	11400	2930	1350	736	893
23	1820	1370	990	1240	2960	4930	10400	9740	2790	1320	733	810
24	1930	1320	920	1410	10300	5780	9120	9010	2670	1290	711	971
25	4620	1300	880	1270	11900	5800	8590	9410	2550	1250	691	1200
26	4800	1620	870	1090	12000	5430	7770	11400	2470	1210	670	1200
27	3550	1840	840	1050	11100	5600	7280	13700	2370	1180	669	1190
28	3180	1870	800	1380	9330	6570	7390	15100	2300	1160	661	1090
29	2820	1830	780	1560	---	7900	6670	15500	2350	1140	659	1280
30	2590	1620	780	2330	---	9760	6230	15400	2240	1120	830	1470
31	2440	---	780	2770	---	10800	---	14500	---	1090	859	---
TOTAL	53777	84000	35800	37870	110970	230300	230710	296940	160020	54040	25796	27304
MEAN	1735	2800	1155	1222	3963	7429	7690	9579	5334	1743	832	910
MAX	4800	5180	1770	2770	12000	14000	10400	15500	13400	2700	1070	1470
MIN	988	1300	780	780	1550	4870	5950	6040	2240	1090	659	647
CFSM	1.28	2.06	.85	.90	2.91	5.46	5.65	7.04	3.92	1.28	.61	.67
IN.	1.47	2.30	.98	1.04	3.04	6.30	6.31	8.12	4.38	1.48	.71	.75
AC-FT	106700	166600	71010	75120	220100	456800	457600	589000	317400	107200	51170	54160

CAL YR 1985 TOTAL 1310695 MEAN 3591 MAX 18300 MIN 510 CFSM 2.64 IN. 35.85 AC-FT 2600000
WTR YR 1986 TOTAL 1347527 MEAN 3692 MAX 15500 MIN 647 CFSM 2.71 IN. 36.86 AC-FT 2673000

13340615 BEAVER CREEK NEAR CANYON RANGER STATION, ID

LOCATION.--Lat 46°48'44", long 115°38'48", in SW¼NW¼NE¼ sec. 13, T.40 N., R.6 E., Clearwater County, Hydrologic Unit 17060308, on right bank 1,000 ft upstream from Sourdough Creek, 1 mi downstream from Sousie Creek, 2.3 mi upstream from mouth, 3.4 mi southwest of Canyon Ranger Station, and 15 mi northeast of Headquarters.

DRAINAGE AREA.--51.7 mi^2.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 21 to Dec. 7, Dec. 10-17, Dec. 21 to Jan. 6, Jan. 14-19, Sept. 5-11. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft^3/s Mar. 8, 1986, gage height, 6.10 ft; minimum, 24 ft^3/s Mar. 6, 1985, gage height, 3.94 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 25	0700	570	5.41	Mar. 30	1700	600	5.54
Mar. 8	0430	*1230	*6.10	Apr. 8	2000	364	5.23
Mar. 24	0700	437	5.23	Apr. 22	0145	364	5.17

Minimum daily discharge, 32 ft^3/s Jan. 1, Sept. 7.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 4 to Mar. 23, May 12 to June 24;
stage-discharge relation affected by ice Nov. 21 to Dec. 7, Dec. 10-17, Dec. 31 to Jan. 6, Jan. 14-19)

4.0	28	4.7	156
4.2	50	5.0	268
4.4	82	5.5	555
		6.0	1000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	82	52	32	108	364	398	150	108	55	46	44
2	47	121	53	36	109	375	320	167	106	54	46	42
3	46	107	54	37	115	366	287	175	104	53	45	41
4	45	99	55	38	106	355	284	218	97	66	44	40
5	45	106	56	39	98	355	268	189	96	87	44	37
6	47	108	57	42	89	349	260	171	97	62	44	34
7	58	184	58	45	85	552	278	165	92	57	44	32
8	48	136	58	50	82	748	302	159	89	55	44	34
9	47	110	54	55	86	547	298	156	87	54	43	36
10	48	96	46	52	79	371	293	159	85	54	43	36
11	52	87	41	50	81	397	274	153	83	62	47	37
12	54	81	39	50	80	380	259	146	78	53	45	36
13	51	77	39	49	75	330	245	186	76	51	44	39
14	50	75	39	48	74	307	218	162	83	50	43	42
15	50	72	40	49	82	288	210	146	92	48	41	41
16	52	72	41	53	172	275	267	137	77	50	40	39
17	51	70	46	58	191	271	241	132	72	65	41	37
18	49	67	49	62	136	252	220	130	71	57	40	40
19	47	64	47	67	110	238	208	131	74	54	39	42
20	48	63	46	70	103	247	214	130	69	53	38	47
21	52	59	44	63	98	263	241	166	68	52	40	46
22	66	53	40	63	97	256	314	173	67	52	41	41
23	94	49	39	71	178	252	273	139	64	50	38	39
24	91	47	38	72	480	345	218	131	62	50	38	66
25	178	49	36	62	511	309	215	125	61	49	38	51
26	94	51	36	62	534	297	201	119	60	49	38	59
27	77	53	35	65	491	311	193	119	60	48	39	52
28	71	52	35	59	410	349	191	121	58	47	38	64
29	66	50	35	71	---	384	172	124	57	47	38	59
30	64	51	35	106	---	435	157	118	57	46	41	75
31	64	---	35	98	---	405	---	113	---	46	46	---
TOTAL	1899	2391	1378	1774	4860	10973	7519	4616	2350	1676	1296	1328
MEAN	61.3	79.7	44.5	57.2	174	354	251	149	78.3	54.1	41.8	44.3
MAX	178	184	58	106	534	748	398	218	108	87	47	75
MIN	45	47	35	32	74	238	157	113	57	46	38	32
CFSM	1.19	1.54	.86	1.11	3.37	6.85	4.85	2.88	1.51	1.05	.81	.86
IN.	1.37	1.72	.99	1.28	3.50	7.90	5.41	3.32	1.69	1.21	.93	.96
AC-FT	3770	4740	2730	3520	9640	21760	14910	9160	4660	3320	2570	2630

CAL YR 1985	TOTAL	43231	MEAN	118	MAX	789	MIN	28	CFSM	2.28	IN.	31.11	AC-FT	85750
WTR YR 1986	TOTAL	42060	MEAN	115	MAX	748	MIN	32	CFSM	2.22	IN.	30.26	AC-FT	83430

13340855 REEDS CREEK NEAR HEADQUARTERS, ID

LOCATION.--Lat 46°37'23", long 115°56'38", in SE¼SW¼NW¼, sec.22, T.38 N., R.4 E., Clearwater County, Hydrologic Unit 17060308, on right bank 200 ft downstream from road bridge, 2,600 ft upstream from Snake Creek, approximately 3.5 mi upstream from backwater of Dworshak Reservoir, and 6.5 mi west of Headquarters.

DRAINAGE AREA.--62.6 mi^2.

PERIOD OF RECORD.--Miscellaneous measurements made at various sites and times prior to October 1983. Recording gage October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,150 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 14-15, 19-20, Nov. 22 to Dec. 8, Dec. 10-18, 20-24, Dec. 30 to Jan. 8, Jan. 11-16. Records good except for those above 500 ft^3/s, which are fair, and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,550 ft^3/s Mar. 8, 1986, gage height, 8.40 ft; maximum gage height, 9.20 ft, Dec. 28, 1983 (ice jam); minimum discharge, 7.3 ft^3/s Sept. 7, 1986, gage height, 5.26 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 17	0300	432	7.23	Mar. 8	0415	*1550	*8.40
Feb. 24	1700	1020	7.96	Mar. 24	1445	576	7.47
				Mar. 30	2030	569	7.47

Minimum discharge, 7.3 ft^3/s Sept. 7, gage height, 5.26 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 9, 19, 25-29, Jan. 9, 10, Jan. 17 to Apr. 30,
May 4-6, 13-14, 21-22; stage-discharge relation affected by ice Nov. 14-15, 19-20,
Nov. 22 to Dec. 8, Dec. 10-18, 20-24, Dec. 30 to Jan. 8)

5.2	7.6	6.3	117
5.4	14	6.6	198
5.6	25	7.0	367
5.8	42	7.5	701
6.0	65	8.0	1180
		8.5	1900

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	47	27	15	187	460	334	96	46	22	14	12
2	23	78	28	14	188	458	296	93	44	21	13	11
3	23	65	28	14	209	450	253	94	41	21	12	10
4	22	53	29	14	199	422	241	123	39	27	12	9.6
5	22	75	30	14	160	425	229	111	39	51	12	9.0
6	22	86	31	15	131	413	216	98	41	32	11	8.3
7	40	185	32	15	108	732	208	92	38	26	11	7.7
8	29	139	33	16	92	1340	208	88	39	24	11	8.1
9	24	94	36	18	93	971	210	85	39	24	10	8.8
10	23	67	30	20	86	776	190	89	34	24	10	8.9
11	25	54	27	19	70	638	170	85	32	34	11	8.6
12	28	54	25	17	66	576	158	83	30	27	11	8.4
13	26	44	24	17	63	496	159	100	29	23	11	9.1
14	24	42	24	20	59	441	141	98	31	22	11	10
15	24	40	23	22	88	382	129	83	52	21	11	10
16	24	38	24	29	209	346	214	77	35	22	9.3	10
17	28	37	25	36	381	352	188	73	31	35	9.1	11
18	24	34	26	45	240	328	151	72	29	28	9.1	13
19	23	33	28	43	187	314	131	69	31	23	9.0	14
20	23	31	26	44	134	320	121	68	29	20	9.7	16
21	27	31	25	43	122	342	119	106	28	19	8.9	18
22	60	29	23	33	128	319	144	102	27	18	9.3	14
23	80	29	22	41	370	293	161	82	26	17	9.0	12
24	54	28	21	53	884	466	124	73	25	17	8.4	31
25	145	28	20	44	848	408	123	69	23	16	8.1	32
26	98	28	19	46	838	353	115	65	23	16	8.1	30
27	62	29	18	64	693	365	112	62	23	15	7.8	28
28	51	29	17	47	533	391	120	59	22	15	7.7	37
29	42	28	17	62	---	306	108	55	23	14	7.7	32
30	37	27	16	154	---	449	102	51	24	14	8.6	50
31	35	---	15	206	---	424	---	48	---	14	12	---
TOTAL	1191	1582	769	1240	7346	14846	5175	2540	973	702	312.8	487.5
MEAN	38.4	52.7	24.8	40.0	262	479	173	82.2	32.4	22.6	10.1	16.2
MAX	145	185	36	206	884	1340	334	123	52	51	14	50
MIN	22	27	15	14	59	293	102	48	22	14	7.7	7.7
CFSM	.61	.84	.40	.64	4.19	7.65	2.76	1.31	.52	.36	.16	.26
IN.	.71	.94	.46	.74	4.37	8.82	3.08	1.51	.58	.42	.19	.29
AC-FT	2360	3140	1530	2460	14570	29450	10260	5060	1930	1390	620	967

CAL YR 1985 TOTAL 39616.8 MEAN 109 MAX 1090 MIN 9.8 CFSM 1.74 IN. 23.54 AC-FT 78580
WTR YR 1986 TOTAL 37173.3 MEAN 102 MAX 1340 MIN 7.7 CFSM 1.63 IN. 22.08 AC-FT 73730

13340950 DWORSHAK RESERVOIR NEAR AHSAHKA, ID

LOCATION.--Lat 46°31'00", long 116°17'30", in SW¼SE¼ sec.26, T.37 N., R.1 E., Clearwater County, Hydrologic Unit 17060308, at Dam, 1.5 mi northeast of Ahsahka, and at mile 2.0.

DRAINAGE AREA.--2,440 mi^2, approximately. Mean elevation, 4,220 ft.

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder located in gate slot 6 on the 1,603-ft level. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by straight-axis concrete gravity dam. Total capacity is 3,459,000 acre-ft between elevations 970.0 ft, bottom of bypass valve, and 1,599.5 ft, maximum pool elevation. Inactive storage for minimum power head is 1,452,000 acre-ft, elevation, 1,445.0 ft. Storage began Sept. 27, 1971. Dworshak Dam is used to regulate annual floodwaters of the North Fork Clearwater River and for power generation.

COOPERATION.--Gage-height record and capacity table provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,472,000 acre-ft Aug. 16, 1978, and June 6, 1981, elevation, 1,600.21 ft; minimum since full capacity was attained July 29, 1974, 1,455,000 acre-ft Mar. 29, 30, 1976, elevation, 1,445.36 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,470,000 acre-ft Aug. 11, elevation 1,600.10 ft; minimum contents, 2,332,000 acre-ft Jan. 8-9, elevation, 1,527.10 ft.

CONTENTS (AC-FT), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
2400 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2801000	2869000	2739000	2365000	2411000	2801000	2651000	3043000	3410000	3461000	3468000	3442000
2	2799000	2880000	2723000	2354000	2423000	2817000	2658000	3057000	3419000	3455000	3468000	3432000
3	2798000	2893000	2710000	2337000	2435000	2829000	2661000	3074000	3421000	3454000	3467000	3418000
4	2798000	2904000	2699000	2336000	2445000	2837000	2666000	3098000	3423000	3457000	3467000	3399000
5	2799000	2918000	2692000	2335000	2454000	2829000	2684000	3109000	3429000	3461000	3467000	3380000
6	2800000	2929000	2681000	2334000	2462000	2814000	2702000	3120000	3436000	3463000	3466000	3360000
7	2802000	2943000	2670000	2334000	2469000	2813000	2717000	3030000	3439000	3462000	3466000	3340000
8	2803000	2953000	2659000	2332000	2474000	2822000	2734000	3141000	3440000	3461000	3466000	3322000
9	2804000	2961000	2646000	2333000	2478000	2819000	2753000	3150000	3440000	3461000	3466000	3304000
10	2805000	2964000	2629000	2335000	2484000	2808000	2772000	3160000	3441000	3461000	3468000	3286000
11	2806000	2966000	2611000	2336000	2488000	2793000	2789000	3169000	3444000	3463000	3465000	3267000
12	2806000	2965000	2594000	2338000	2492000	2775000	2810000	3172000	3445000	3467000	3465000	3247000
13	2805000	2964000	2577000	2339000	2496000	2753000	2830000	3180000	3444000	3466000	3465000	3229000
14	2804000	2962000	2576000	2340000	2500000	2731000	2845000	3187000	3453000	3464000	3465000	3211000
15	2803000	2959000	2576000	2341000	2505000	2704000	2859000	3193000	3461000	3461000	3464000	3193000
16	2803000	2947000	2569000	2343000	2517000	2675000	2872000	3197000	3465000	3462000	3464000	3174000
17	2803000	2934000	2553000	2346000	2535000	2646000	2880000	3204000	3464000	3466000	3464000	3156000
18	2802000	2922000	2538000	2349000	2548000	2619000	2883000	3209000	3458000	3466000	3465000	3138000
19	2801000	2910000	2524000	2352000	2559000	2597000	2881000	3217000	3453000	3466000	3465000	3121000
20	2800000	2900000	2507000	2355000	2566000	2575000	2886000	3225000	3451000	3466000	3464000	3103000
21	2799000	2893000	2490000	2358000	2574000	2562000	2897000	3240000	3456000	3465000	3461000	3086000
22	2800000	2877000	2472000	2361000	2583000	2561000	2914000	3252000	3462000	3465000	3459000	3068000
23	2802000	2860000	2454000	2363000	2599000	2557000	2936000	3259000	3462000	3464000	3456000	3050000
24	2804000	2843000	2454000	2367000	2642000	2559000	2952000	3264000	3460000	3464000	3453000	3033000
25	2818000	2828000	2453000	2369000	2685000	2560000	2969000	3270000	3459000	3464000	3451000	3016000
26	2831000	2815000	2438000	2371000	2729000	2559000	2989000	3281000	3461000	3464000	3450000	3000000
27	2839000	2802000	2420000	2373000	2762000	2558000	3007000	3300000	3460000	3464000	3449000	2983000
28	2846000	2787000	2402000	2376000	2766000	2562000	3015000	3323000	3462000	3465000	3446000	2967000
29	2852000	2771000	2394000	2380000	---	2580000	3022000	3347000	3467000	3465000	3446000	2951000
30	2857000	2756000	2381000	2389000	---	2609000	3033000	3371000	3465000	3466000	3444000	2941000
31	2863000	---	2365000	2400000	---	2639000	---	3392000	---	3467000	3443000	---
MEAN	2811400	2895800	2554700	2352900	2539300	2689100	2842200	3201100	3448300	3463100	3460400	3187200
MAX	2863000	2966000	2739000	2400000	2786000	2837000	3033000	3392000	3467000	3467000	3468000	3442000
MIN	2798000	2756000	2365000	2332000	2411000	2557000	2651000	3030000	3410000	3454000	3443000	2941000
(†)	1564.58	1557.39	1529.58	1532.17	1559.43	1549.31	1575.37	1595.95	1599.62	1599.93	1598.71	1569.62
(‡)	61000	-107000	-391000	35000	386000	-147000	394000	359000	73000	2000	-24000	-502000

CAL YR 1985.......(‡) -245000
WTR YR 1986.......(‡) 139000

(†) Elevation, in feet, at end of month.
(‡) Change in contents, in acre-feet.

13341050 CLEARWATER RIVER NEAR PECK, ID

LOCATION.--Lat 46°30'00", long 116°23'30", in NE¼NE¼ sec. 1, T. 36 N., R. 1 W., Nez Perce County, Hydrologic Unit 17060306, on left bank 2 mi upstream from Big Canyon Creek, 2.2 mi northeast of Peck, 3 mi downstream from North Fork Clearwater River, and at mile 37.4.

DRAINAGE AREA.--8,040 mi^2, approximately.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Dworshak Reservoir (station 13340950) 5.1 mi upstream beginning September 1971.

AVERAGE DISCHARGE.--22 years, 15,400 ft^3/s, 11,160,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 127,200 ft^3/s June 16, 1974, gage height, 23.66 ft; maximum gage height, 25.00 ft, Dec. 28, 1967 (ice jam); minimum discharge, 1,260 ft^3/s Oct. 31, 1971, gage height, 2.24 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 23.95 ft, from floodmark, discharge, 118,000 ft^3/s, from rating extended above 89,100 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68,900 ft^3/s May 30, gage height, 17.15 ft; minimum, 2,340 ft^3/s Aug. 29, gage height, 3.17 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)

3.0	2120	7.0	11200
4.0	3650	10.0	23600
5.0	5710	13.0	40100
		17.0	57700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4720	5800	12800	4250	9250	28000	28500	18500	59200	9470	3220	3820
2	4680	6690	12500	9620	10100	27200	28800	17600	56800	10400	3430	7700
3	4650	8670	13100	12400	9870	28300	27100	18900	54200	7260	3680	8780
4	4160	8800	11100	5010	9700	29000	25300	26200	48400	6730	3500	11200
5	3660	9510	10500	4640	9000	36100	17200	34200	46200	8730	3430	11100
6	3450	10200	10500	4640	8590	38200	17000	30300	42700	8790	3370	11100
7	3950	10100	11400	4710	7600	39700	19200	29000	37300	8800	3240	11000
8	5060	10600	11500	4710	6630	50600	20400	27900	33700	7440	3100	11000
9	4250	10400	11500	3920	5790	53800	22500	28100	30400	7210	2850	11400
10	3680	9940	13200	3830	5690	50900	23300	28300	27300	7380	2720	11900
11	4030	9750	12600	3900	5870	48100	23100	28900	24100	7240	3330	11600
12	4830	9860	11900	3870	5530	48700	19800	29500	24400	6700	3040	11300
13	5400	9390	12200	3700	5100	46700	18900	27200	23200	7880	3020	11200
14	5200	9080	5040	3590	5030	44300	18800	28000	17800	7710	3070	11300
15	5050	8820	4930	3620	5200	42400	17800	26400	16600	7070	3070	11400
16	5280	14300	7710	3710	7120	40800	20300	24700	17300	5960	2640	11600
17	5700	15200	12700	4270	10400	39800	22100	23500	18400	5750	2560	11600
18	5830	14300	12600	5250	11600	37300	22300	24300	19100	5990	2560	11700
19	5480	13800	11300	5390	10700	32800	23700	27800	17500	5870	2480	11700
20	5350	11800	12800	5880	9230	32300	19300	36600	15300	5600	2720	11800
21	5340	11200	12400	6000	8300	28200	18800	44000	10200	5370	3520	12700
22	5600	13100	12100	5330	8770	22500	22600	45000	9240	5270	3610	12300
23	6160	12900	11700	5000	16400	21900	31100	38100	12000	5140	3920	12000
24	6250	12100	4300	5080	29900	22900	29100	34500	10900	4580	3840	11800
25	5760	12200	4320	4870	31600	24000	25500	34800	10600	4460	3510	12000
26	8180	12100	10200	4420	28300	22700	21500	41600	9750	4100	2920	12200
27	7960	13700	12400	4220	30100	22500	19500	52900	9480	3990	2790	12200
28	7060	13100	12300	4410	27700	23200	24700	60000	7010	3910	3140	12200
29	6750	13300	6570	5110	---	20200	23200	63500	6970	3710	3230	12500
30	6210	13000	9860	6610	---	21100	19400	64800	10300	3640	3350	11600
31	5950	---	12100	8530	---	24200	---	62100	---	3310	3440	---
TOTAL	165630	333710	330130	160490	339070	1048400	670800	1077200	726350	195460	98300	335700
MEAN	5343	11120	10650	5177	12110	33820	22360	34750	24210	6305	3171	11190
MAX	8180	15200	13200	12400	31600	53800	31100	64800	59200	10400	3920	12700
MIN .	3450	5800	4300	3590	5030	20200	17000	17600	6970	3310	2480	3820
AC-FT	328500	661900	654800	318300	672500	2080000	1331000	2137000	1441000	387700	195000	665900

CAL YR 1985 TOTAL 4944830 MEAN 13550 MAX 54300 MIN 3450 AC-FT 9808000
WTR YR 1986 TOTAL 5481240 MEAN 15020 MAX 64800 MIN 2480 AC-FT 10872000

13341050 CLEARWATER RIVER NEAR PECK, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965 to September 1984, October 1985 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1964 to September 1984, October 1985 to current year.
INSTRUMENTATION.--Temperature recorder since October 1964.
REMARKS.--Daily water temperature data for water year 1985 were missing due to equipment malfunction.
COOPERATION.--Temperature records furnished by U.S. Army Corps of Engineers and reviewed by U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 25 °C Aug. 1, 2, 1965, July 28, 1968; minimum, 0.0 °C on many days during winter months.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 19.0 °C June 28, Aug. 9-11; minimum, 1.0 °C Feb. 9-10, 14.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10.0	10.0	5.5	5.0	3.5	3.5	4.0	3.0	1.5	1.5	4.0	4.0
2	10.0	9.5	5.0	5.0	4.0	4.0	4.0	3.0	2.0	1.5	4.5	4.0
3	9.5	9.5	5.0	5.0	4.0	3.0	4.0	4.0	3.0	1.5	4.5	4.0
4	9.5	9.5	5.5	5.0	3.0	3.0	4.0	2.0	3.0	3.0	4.0	4.0
5	9.5	9.5	5.5	5.0	3.0	3.0	2.0	2.0	3.0	3.0	4.0	4.0
6	9.5	9.5	5.5	5.5	3.0	3.0	2.0	2.0	3.0	3.0	4.0	4.0
7	9.5	9.5	5.5	5.5	3.0	3.0	2.0	2.0	3.0	3.0	4.0	4.0
8	9.5	8.5	5.5	5.5	3.0	3.0	2.0	2.0	3.0	1.5	4.0	4.0
9	8.5	8.5	5.5	5.5	3.0	3.0	2.0	2.0	1.5	1.0	4.0	4.0
10	8.5	7.0	5.5	5.0	3.0	3.0	2.0	1.5	1.5	1.0	4.5	4.0
11	7.0	7.0	5.0	4.0	3.0	3.0	1.5	1.5	1.5	1.5	4.5	4.5
12	7.0	7.0	4.0	4.0	3.0	3.0	1.5	1.5	1.5	1.5	4.5	4.5
13	7.0	7.0	4.0	3.5	3.0	3.0	1.5	1.5	1.5	1.5	4.5	4.5
14	8.0	7.0	3.5	3.5	3.0	1.5	2.0	1.5	1.5	1.0	4.5	4.5
15	8.5	8.0	4.0	3.5	1.5	1.5	2.0	1.5	1.5	1.5	4.5	4.5
16	8.5	8.5	4.5	4.0	3.0	1.5	2.0	1.5	2.0	1.5	4.5	4.5
17	8.5	8.5	4.5	4.5	3.0	3.0	2.0	2.0	3.0	2.0	4.5	4.5
18	8.5	8.5	4.5	4.5	3.0	3.0	2.0	2.0	3.0	3.0	4.5	4.5
19	8.5	8.5	4.5	4.5	3.0	3.0	2.0	2.0	3.0	2.0	4.5	4.5
20	8.5	8.5	4.5	3.5	3.0	3.0	2.0	2.0	2.0	2.0	4.5	4.5
21	8.5	8.5	4.0	3.5	3.0	3.0	2.0	2.0	3.0	2.0	4.5	4.5
22	8.5	8.0	4.0	3.5	3.5	3.0	2.0	2.0	3.0	3.0	4.5	4.5
23	8.0	8.0	4.0	4.0	3.5	3.5	2.0	2.0	3.0	3.0	4.5	4.5
24	8.0	8.0	4.0	4.0	3.5	2.0	2.0	2.0	3.5	3.0	4.5	4.5
25	8.0	8.0	4.5	4.0	2.0	2.0	2.0	1.5	3.5	3.5	4.5	4.5
26	8.0	7.0	4.5	4.0	3.5	2.0	2.0	1.5	4.0	3.5	5.0	4.5
27	8.0	7.0	4.0	3.5	4.0	3.5	2.0	1.5	4.0	4.0	5.0	5.0
28	7.0	7.0	3.5	3.5	4.0	4.0	2.0	2.0	4.0	3.5	5.5	5.0
29	7.0	6.5	3.5	3.5	4.0	3.5	2.0	2.0	---	---	6.0	5.5
30	6.5	6.0	3.5	3.5	4.0	3.5	2.0	2.0	---	---	6.5	6.0
31	6.0	5.5	---	---	4.0	4.0	2.0	1.5	---	---	6.0	5.0
MONTH	10.0	5.5	5.5	3.5	4.0	1.5	4.0	1.5	4.0	1.0	6.5	4.0

13341050 CLEARWATER RIVER NEAR PECK, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.0	5.0	7.0	6.0	10.5	10.0	18.0	16.0	18.0	16.0	14.0	13.5
2	5.0	5.0	8.5	7.0	11.0	10.5	16.5	15.5	18.0	16.5	14.0	13.0
3	5.0	5.0	9.0	8.5	11.0	10.5	16.5	15.5	18.0	16.0	13.5	13.0
4	6.0	5.0	9.0	8.0	12.0	11.0	16.5	16.0	18.0	16.5	13.0	13.0
5	6.0	5.5	8.0	7.0	12.0	11.0	16.0	15.5	18.0	16.0	13.0	13.0
6	6.5	6.0	7.0	7.0	11.5	11.0	15.5	15.5	18.0	16.0	13.0	13.0
7	7.0	6.0	7.0	6.5	12.0	11.5	15.5	15.0	18.0	16.0	13.0	12.0
8	7.0	6.0	7.0	6.5	12.0	11.5	15.5	15.0	18.5	16.0	12.0	12.0
9	7.0	6.5	7.0	6.5	11.5	11.0	15.5	15.0	19.0	16.5	12.0	11.5
10	6.5	6.0	7.0	7.0	13.0	11.5	15.5	15.0	19.0	16.5	12.0	11.5
11	6.5	5.0	7.0	7.0	14.0	13.0	16.0	15.0	19.0	16.5	12.0	11.5
12	5.5	5.5	7.0	7.0	14.5	14.0	16.5	16.0	17.0	16.5	12.0	11.5
13	5.5	5.5	7.0	6.5	14.5	14.5	16.5	16.0	17.0	15.5	12.0	11.5
14	5.5	4.5	7.0	6.5	15.0	14.5	16.0	15.5	17.0	16.0	11.5	11.5
15	5.5	5.0	6.5	6.5	15.0	15.0	15.5	15.0	18.0	16.0	11.5	11.0
16	6.0	5.5	6.5	6.5	15.0	15.0	15.5	14.5	17.0	16.0	11.5	11.0
17	6.0	5.5	7.0	6.5	15.0	15.0	15.0	15.0	18.0	16.0	11.5	11.0
18	5.5	5.5	9.0	7.0	15.0	15.0	16.0	15.0	18.0	16.0	11.0	11.0
19	5.5	5.0	10.5	9.0	15.0	14.5	16.5	15.0	17.0	16.0	11.0	11.0
20	6.0	5.0	10.5	10.0	14.5	14.5	17.0	15.5	17.0	16.0	11.0	11.0
21	9.0	6.0	10.0	9.0	15.0	14.5	17.0	16.0	15.5	15.0	11.0	11.0
22	9.5	8.0	9.0	8.0	16.0	15.0	17.0	16.0	15.0	14.5	11.0	11.0
23	8.0	7.0	8.0	6.5	15.5	15.0	17.0	16.0	14.5	14.0	11.0	11.0
24	7.0	5.5	9.0	7.0	16.0	15.0	18.0	16.0	14.5	13.5	11.0	11.0
25	6.5	6.0	10.0	9.0	18.0	15.0	18.0	16.5	14.0	13.5	11.0	11.0
26	6.5	6.0	10.5	10.0	18.0	16.0	18.0	16.5	15.0	13.5	11.0	11.0
27	6.5	6.0	10.5	10.0	17.0	16.0	17.0	16.0	15.0	14.0	11.0	11.0
28	6.5	6.0	10.0	10.0	19.0	16.0	16.5	15.5	15.0	14.5	11.0	11.0
29	6.5	6.0	10.0	10.0	18.5	16.5	16.5	15.5	15.0	14.0	10.5	10.5
30	6.0	5.5	10.0	10.0	16.5	15.5	16.5	15.5	15.0	14.0	10.5	10.5
31	---	---	10.0	10.0	---	---	17.0	15.5	14.5	14.0	---	---
MONTH	9.5	4.5	10.5	6.0	19.0	10.0	18.0	14.5	19.0	13.5	14.0	10.5

13341128 LONG HOLLOW CREEK AT NEZPERCE, ID

LOCATION.--Lat 46°14'03", long 116°14'10", in NW¼SE¼NW¼ sec. 5, T. 33 N., R. 2 E., Lewis County, Hydrologic Unit 17060306, on upstream side of Fifth Avenue bridge, one block upstream from Idaho Highway 64, two blocks east of Idaho Highway 7, and 0.7 mi upstream from sewage disposal ponds.

DRAINAGE AREA.--17.66 mi^2.

PERIOD OF RECORD.--October 1979 to July 1983, January 1984 to September 1986 (discontinued).

GAGE.--Nonrecording wire-weight gage and crest-stage gage. Elevation of gage is 3,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 17 to Dec. 6, Dec. 11-25, 27-29, Jan. 13. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--5 years (water years 1980-82, 1985-86), 2.09 ft^3/s, 1.61 in./yr, 1,514 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 204 ft^3/s Feb. 23, 1986, gage height, 5.11 ft; maximum gage height, 5.14 ft, Feb. 16, 1982 (ice jam); no flow for many days during summer months.

EXTREMES FOR CURRENT YEAR.--Maximum observed discharge, 204 ft^3/s Feb. 23, gage height, 5.11 ft; no flow for many days during summer months.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.53	.40	5.4	28	10	2.8	1.1	.04	.00	.00	.00
2	.05	.74	.41	5.6	21	8.6	2.5	1.2	.01	.00	.00	.00
3	.05	.69	.45	7.0	16	7.2	2.4	2.0	.01	.00	.00	.00
4	.05	.69	.51	6.8	17	6.4	2.4	2.9	.01	.00	.00	.00
5	.05	.78	.52	8.6	11	5.8	2.4	2.9	.02	.00	.00	.00
6	.24	.93	.50	8.6	7.5	5.4	2.0	2.2	.02	.00	.00	.00
7	.46	.93	.49	9.4	5.0	5.6	2.0	2.2	.02	.00	.00	.00
8	.39	.88	1.9	10	3.6	5.6	2.0	1.6	.06	.00	.00	.00
9	.39	.88	1.9	11	3.2	16	3.3	1.6	.05	.93	.00	.00
10	.42	.78	1.8	9.7	2.8	8.6	2.9	1.5	.03	.02	.00	.00
11	.60	.69	1.7	10	2.4	8.1	2.2	1.5	.01	.02	.00	.00
12	.56	.60	1.6	10	2.0	13	2.1	1.4	.00	.02	.00	.00
13	.53	.56	1.6	10	2.3	9.7	3.6	1.2	.00	.00	.00	.01
14	.49	.53	1.6	10	2.3	8.1	6.0	1.2	.00	.00	.00	.02
15	.46	.49	1.6	10	2.9	7.2	3.3	1.2	.00	.00	.00	.02
16	.53	.49	1.6	9.2	4.8	6.6	2.8	1.1	.00	.00	.00	.03
17	.46	.46	1.7	8.4	32	6.2	2.3	1.1	.00	.00	.00	.04
18	.39	.45	1.7	8.9	14	5.2	2.1	.93	.00	.00	.00	.12
19	.34	.44	1.8	15	8.9	4.6	2.0	.78	.00	.00	.00	.12
20	.31	.43	1.8	19	7.5	5.2	1.6	.78	.00	.00	.00	.21
21	.42	.41	1.9	16	5.8	4.5	1.4	2.2	.00	.00	.00	.53
22	.93	.40	1.9	16	6.6	4.3	1.4	2.0	.00	.00	.00	.36
23	.83	.39	2.0	13	181	4.3	2.0	1.5	.00	.00	.00	.31
24	.60	.38	2.0	10	131	5.6	1.6	.83	.00	.00	.00	.83
25	.53	.40	2.1	10	41	5.2	1.6	.46	.00	.00	.00	.74
26	.42	.42	2.2	6.8	25	3.8	1.6	.24	.00	.00	.00	.69
27	.39	.43	2.3	5.8	17	3.4	1.6	.19	.00	.00	.00	.56
28	.36	.43	2.5	5.4	14	3.2	1.3	.17	.00	.00	.00	.53
29	.34	.41	2.9	11	---	3.0	1.2	.17	.00	.00	.00	.78
30	.34	.40	3.8	23	---	3.0	1.1	.12	.00	.00	.00	.78
31	.42	---	4.6	22	---	3.0	---	.06	---	.00	.05	---
TOTAL	12.40	17.04	53.78	331.6	615.6	196.4	67.5	38.33	.28	.99	.05	6.68
MEAN	.40	.57	1.73	10.7	22.0	6.34	2.25	1.24	.01	.03	.00	.22
MAX	.93	.93	4.6	23	181	16	6.0	2.9	.06	.93	.05	.83
MIN	.05	.38	.40	5.4	2.0	3.0	1.1	.06	.00	.00	.00	.00
AC-FT	25	34	107	658	1220	390	134	76	.6	2.0	.1	13

CAL YR 1985 TOTAL 534.06 MEAN 1.46 MAX 17 MIN .00 AC-FT 1060
WTR YR 1986 TOTAL 1340.65 MEAN 3.67 MAX 181 MIN .00 AC-FT 2660

13342200 TWENTY-ONE RANCH SPRING NEAR WAHA, ID

WATER-QUALITY RECORDS

LOCATION.--Lat 46°14', long 116°51', in sec. 4, T.33 N., R.4 W., in spring shelter 1 mi north of Waha, and 15 mi southeast of Lewiston. Recorder located on top of spring shelter.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: January 1958 to June 1960, April 1985 to current year.

INSTRUMENTATION.--Temperature recorder since April 1985.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 10.5 °C Aug. 2-5, 1985; minimum, 8.5 °C on many days.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 10.0 °C many days during summer months; minimum, 8.5 °C Feb. 19-22, May 22-26.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
2	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
3	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
6	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
7	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
8	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
10	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
11	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
12	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
13	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
14	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
15	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
16	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
17	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
18	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---
19	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	---	---
20	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	---	---
21	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	---	---
22	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	9.0	9.0
23	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
24	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
25	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
26	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
27	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
28	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
29	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
30	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	---	---	9.0	9.0
31	9.0	9.0	---	---	9.0	9.0	9.0	9.0	---	---	9.0	9.0
MONTH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	9.0	9.0

13342200 TWENTY-ONE RANCH SPRING NEAR WAHA, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.0	9.0	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0
2	9.0	9.0	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0
3	9.0	9.0	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0
4	9.0	9.0	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0
5	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
6	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
7	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
8	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
9	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
10	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
11	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
12	9.0	9.0	9.0	9.0	---	---	---	---	10.0	10.0	10.0	10.0
13	9.0	9.0	9.0	8.5	---	---	---	---	10.0	10.0	10.0	10.0
14	9.0	9.0	9.0	9.0	---	---	---	---	10.0	9.5	10.0	10.0
15	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	9.5	10.0	10.0
16	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
17	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
18	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
19	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
20	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
21	9.0	9.0	9.0	9.0	---	---	9.5	9.5	10.0	10.0	10.0	10.0
22	9.0	9.0	9.0	8.5	---	---	9.5	9.5	10.0	10.0	10.0	10.0
23	9.0	9.0	9.0	8.5	---	---	9.5	9.5	10.0	10.0	10.0	10.0
24	9.0	9.0	9.0	8.5	---	---	9.5	9.5	10.0	10.0	10.0	10.0
25	9.0	9.0	9.0	8.5	---	---	9.5	9.5	10.0	10.0	10.0	10.0
26	9.0	9.0	9.0	8.5	---	---	10.0	10.0	10.0	10.0	10.0	10.0
27	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0	10.0	9.5
28	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0	10.0	9.5
29	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0	9.5	9.5
30	9.0	9.0	9.0	9.0	---	---	10.0	10.0	10.0	10.0	9.5	9.5
31	---	---	9.0	9.0	---	---	10.0	10.0	10.0	10.0	---	---
MONTH	9.0	9.0	9.0	8.5	9.0	9.0	10.0	9.5	10.0	9.5	10.0	9.5

13342450 LAPWAI CREEK NEAR LAPWAI, ID

LOCATION.--Lat 46°25'36", long 116°48'15", in NW¼NE¼NW¼ sec.35, T.36 N., R.4 W., Nez Perce County, Hydrologic Unit 17060306, on right bank 40 ft upstream from county bridge, 0.7 mi downstream from Tom Beall Creek, 1.6 mi north of Lapwai, 1.6 mi south of Spalding, and at mile 1.9.

DRAINAGE AREA.--235 mi^2, approximately.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 864.64 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 1, Dec. 3, 12-14, 22-28, Dec. 30 to Jan. 4, Jan. 6, 7, 13, 14, Feb. 23 to Mar. 5. Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation of about 1,500 acres.

AVERAGE DISCHARGE.--12 years, 88.1 ft^3/s, 5.09 in./yr, 63,630 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,380 ft^3/s Feb. 23, 1986, gage height, 10.22 ft; minimum, 0.85 ft^3/s Aug. 18, 19, 1977, gage height, 3.00 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 4,380 ft^3/s January 1965 on basis of slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 23	unknown	*3380	*10.22

Minimum discharge, 3.8 ft^3/s Aug. 4, 5, 14, 15, gage height, 2.89 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 9 to Mar. 15; stage-discharge relation affected by ice
Nov. 24 to Dec. 1, Dec. 3, 12-14, 22-28, Dec. 30 to Jan. 4, Jan. 6, 7, 13, 14)

Oct. 1 to Feb. 22

3.5	7.0	4.5	154
3.7	19.5	5.0	290
3.9	40.5	6.0	620
4.2	89		

Feb. 23 to Sept. 30

2.9	3.8	4.0	122
3.1	12.0	4.5	226
3.3	25.0	5.0	351
3.6	58.0	6.0	675
		8.0	1640

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	17	18	18	323	340	142	81	23	10	6.4	9.4
2	12	17	22	19	302	295	155	78	20	10	6.0	8.6
3	12	16	23	20	278	254	131	88	20	11	6.0	8.5
4	11	16	26	21	252	235	124	148	20	13	5.0	8.3
5	12	15	25	22	229	228	112	163	20	22	4.7	8.5
6	11	22	25	22	200	219	107	136	20	17	4.4	8.5
7	15	25	26	23	171	244	102	130	22	15	6.4	8.5
8	19	32	31	25	147	263	94	120	22	13	8.9	8.4
9	17	33	31	28	129	297	98	110	21	14	6.9	9.1
10	16	31	30	30	122	284	101	105	18	14	5.3	9.4
11	16	30	19	32	113	274	95	105	18	16	6.8	9.4
12	16	28	20	33	105	281	100	95	16	15	7.3	9.1
13	16	27	21	34	95	270	112	88	16	12	5.3	10
14	16	22	24	37	91	252	115	86	18	11	4.7	13
15	22	26	26	39	97	228	130	80	21	11	4.4	13
16	23	31	26	49	243	210	131	73	17	12	4.4	15
17	17	30	25	66	480	214	120	63	15	15	5.3	15
18	15	29	24	69	398	203	117	58	15	13	5.7	15
19	15	23	25	109	311	191	117	53	17	14	6.0	17
20	15	27	24	166	264	173	118	50	17	13	5.3	16
21	16	26	23	126	246	156	133	82	17	18	5.3	18
22	17	21	22	109	296	147	105	106	16	17	6.9	18
23	17	11	21	111	840	140	107	83	16	12	6.4	17
24	17	11	20	103	1300	160	109	70	14	9.5	5.7	19
25	17	11	19	91	1000	166	109	62	13	8.5	5.7	20
26	17	11	18	91	740	151	107	56	11	7.6	5.7	19
27	17	11	17	83	540	136	101	50	11	6.9	6.0	18
28	16	12	17	83	430	134	100	42	11	7.5	5.7	18
29	15	12	17	111	---	142	94	32	11	7.8	5.7	18
30	15	14	17	197	---	149	89	28	11	8.3	6.4	18
31	15	---	18	269	---	153	---	25	---	7.7	8.5	---
TOTAL	487	637	700	2236	9742	6589	3375	2546	507	381.8	183.2	402.7
MEAN	15.7	21.2	22.6	72.1	348	213	113	82.1	16.9	12.3	5.91	13.4
MAX	23	33	31	269	1300	340	155	163	23	22	8.9	20
MIN	11	11	17	18	91	134	89	25	11	6.9	4.4	8.3
CFSM	.07	.09	.10	.31	1.48	.91	.48	.35	.07	.05	.03	.06
IN.	.08	.10	.11	.35	1.54	1.04	.53	.40	.08	.06	.03	.06
AC-FT	966	1260	1390	4440	19320	13070	6690	5050	1010	757	363	799

CAL YR 1985 TOTAL 23658.7 MEAN 64.8 MAX 854 MIN 1.1 CFSM .28 IN. 3.75 AC-FT 46930
WTR YR 1986 TOTAL 27786.7 MEAN 76.1 MAX 1300 MIN 4.4 CFSM .32 IN. 4.40 AC-FT 55110

13342500 CLEARWATER RIVER AT SPALDING, ID

LOCATION.--Lat 46°26'55", long 116°49'35", in Indian allotment 198, NW¼NE¼SW¼ sec. 22, T. 36 N., R.4 W., Nez Perce County, Hydrologic Unit 17060306, Nez Perce Indian Reservation, on left bank 0.4 mi downstream from Lapwai Creek, 0.6 mi west of Spalding Post Office, 0.9 mi upstream from U.S. Highway 95 bridge, and at mile 11.6.

DRAINAGE AREA.--9,570 mi^2, approximately. Mean elevation, 4,360 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1910 to October 1913, October 1924 to January 1925, April 1925 to current year. Published as "near Lewiston," 1910-13, 1924-27. Records published for both sites, March 1926 to September 1927.

REVISED RECORDS.--WSP 1737: 1927, 1935, 1943.

GAGE.--Water-stage recorder. Elevation of gage is 770.49 ft above National Geodetic Vertical Datum of 1929. See WDR for Idaho, 1966-68, for history of changes prior to Oct. 1, 1962.

REMARKS.--Estimated daily discharges: Nov. 20-23, 26-30, Dec. 5, Dec. 9-19, Jan. 1-6, Mar. 13-20. Records excellent except for estimated daily discharges, which are fair. Diversions above station for irrigation of about 1,630 acres (1966 determination). Regulation of the North Fork Clearwater River at Ahsahka began on Sept. 27, 1971, when diversion tunnel at Dworshak Dam was closed.

AVERAGE DISCHARGE.--64 years (1910-13, 1925-86), 15,520 ft^3/s, 11,240,000 acre-ft/yr (flows not adjusted for storage change in upstream reservoir).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177,000 ft^3/s May 29, 1948, gage height, 23.76 ft; maximum gage height, 27.77 ft Feb. 5, 1963, from floodmark (ice jam); minimum daily discharge, 500 ft^3/s Jan. 9, 1937, Dec. 1, 1952.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1894 reached a stage of 20.8 ft, site and datum in use 1924-26, discharge, 136,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70,600 ft^3/s May 30, gage height, 14.07 ft; minimum, 2,650 ft^3/s Aug. 20, gage height, 2.69 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 6 to Sept. 30)

2.5	2350	7.0	16500
3.0	3000	9.0	27400
4.0	5220	11.0	41800
5.0	8400	13.0	9000
		15.0	79000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4660	5780	12800	5800	12800	31800	28600	19300	60800	9940	3380	3880
2	4620	6250	12600	9780	13200	30700	29700	18100	57500	10700	3420	6670
3	4580	8250	13100	12600	13200	31200	27700	18900	55400	8840	3800	8950
4	4160	8980	11100	5170	12700	30300	26400	24700	49600	7020	3680	11600
5	3730	9190	10700	4800	11500	37700	18500	35400	46200	8430	3600	11500
6	3390	10300	10700	4800	10700	40100	17500	32300	43900	9500	3540	11400
7	3470	10100	11500	4700	9180	42300	19500	30700	38100	9110	3440	11400
8	4960	10700	11700	4740	7910	53300	20500	28800	34300	8320	3310	11300
9	4370	10600	11700	4040	6730	58700	22700	28600	31300	7570	3140	11500
10	3710	10100	13400	4120	6360	55500	23500	28900	27700	7740	2960	12300
11	3760	9800	12800	3980	6470	51000	23400	29900	24300	7680	3340	12200
12	4500	9870	12100	3960	6030	52000	20300	30200	24500	7000	3220	11900
13	5170	9440	12400	3810	5520	49200	19500	28000	23400	7780	3170	11600
14	5170	9100	5200	3650	5400	46600	19600	28600	18800	8140	3170	11600
15	5020	8770	5090	3600	5610	44600	18600	27400	16900	7410	3180	11700
16	5090	13700	7870	3710	8500	42800	20200	25700	17400	6540	2950	11900
17	5480	14900	12900	3970	15600	41800	22100	23700	18200	5980	2780	11900
18	5760	14400	12800	5460	14700	39200	22400	24800	19300	6160	2780	12100
19	5460	13600	11500	5570	13000	34500	24200	27500	18100	6210	2730	12100
20	5270	12200	12800	6330	11100	33800	20400	36300	15800	5890	2670	12100
21	5230	11400	12600	6590	9810	29600	19900	43700	11900	5650	3460	12900
22	5400	13300	12300	5920	10300	23400	20700	46700	9940	5530	3550	13100
23	5980	12700	12000	5460	24800	22700	31900	39800	11200	5420	3840	12600
24	6170	12100	5830	5540	45200	23300	30000	35600	12500	4980	3920	12300
25	5710	12200	4200	5430	42000	25100	28400	35300	12000	4690	3730	12400
26	7720	12500	8330	4920	36200	23400	22900	41300	9640	4400	3140	12400
27	8220	13900	12400	4600	35400	23100	20300	52700	10200	4170	2970	12400
28	7030	13300	12400	4580	31800	24000	24200	60800	8180	4080	3050	12500
29	6710	13500	7710	5580	---	21000	25100	64800	7150	3920	3270	12600
30	6240	13200	8440	8910	---	21600	21100	66400	10400	3820	3470	12700
31	5970	---	12400	11900	---	24700	---	63900	---	3600	3630	---
TOTAL	162710	334130	333370	174020	431720	1109000	689800	1098800	744410	206220	102290	345500
MEAN	5249	11140	10750	5614	15420	35770	22990	35450	24810	6652	3300	11520
MAX	8220	14900	13400	12600	45200	58700	31900	66400	60800	10700	3920	13100
MIN	3390	5780	4200	3600	5400	21000	17500	18100	7150	3600	2670	3880
AC-FT	322700	662700	661200	345200	856300	2200000	1368000	2179000	1477000	409000	202900	685300

CAL YR 1985 TOTAL 5124210 MEAN 14040 MAX 55100 MIN 3390 AC-FT 10164000
WTR YR 1986 TOTAL 5731970 MEAN 15700 MAX 66400 MIN 2670 AC-FT 11369000

13342500 CLEARWATER RIVER AT SPALDING, ID--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-60, 1968 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1959 to current year.
INSTRUMENTATION.--Temperature recorder since October 1959.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES. Maximum, 28.0 °C Aug. 13, 1963; minimum, 0.0 °C on several days during winter months.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 21.5 °C Aug. 9-11; minimum, 0.5 °C Jan. 12-13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, AIR (DEG C)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
NOV											
23...	1200	12700	35	6.50	-6.0	3.5	13.1	102	K2	K7	12
JAN											
08...	1500	4630	39	7.30	6.0	2.0	12.3	102	26	K8	15
MAR											
12...	0800	51200	41	7.10	10.5	5.0	13.0	105	47	530	18
MAY											
08...	0900	27100	32	7.70	13.0	7.0	13.0	109	K19	130	11
JUL											
18...	1000	5590	36	7.10	21.0	17.0	9.4	99	K6	K1200	12
SEP											
25...	1000	12500	36	7.80	18.0	12.0	10.1	97	K4	K13	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
NOV										
23...	3.5	0.7	1.6	22	0.6	--	2.3	0.5	<0.1	11
JAN										
08...	4.3	1.0	2.4	25	0.7	20	2.9	0.3	<0.1	13
MAR										
12...	5.5	1.0	2.1	19	0.9	15	5.3	0.5	<0.1	15
MAY										
08...	3.3	0.7	1.8	25	0.6	13	3.6	0.3	<0.1	37
JUL										
18...	3.7	0.78	1.9	23	0.8	15	2.1	0.5	0.1	11
SEP										
25...	--	--	--	--	--	16	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
NOV										
23...	17	28	0.02	583	<0.10	0.11	0.2	0.07	0.07	0.04
JAN										
08...	30	36	0.04	375	0.10	0.04	0.2	0.01	<0.01	0.01
MAR										
12...	35	40	0.05	4840	0.27	0.04	0.2	0.04	0.02	0.01
MAY										
08...	43	55	0.06	3150	<0.10	0.03	0.3	0.04	0.02	<0.01
JUL										
18...	30	30	0.04	453	<0.10	0.04	0.2	0.02	<0.01	<0.01
SEP										
25...	--	--	--	--	<0.10	0.04	0.2	0.03	0.01	0.02

K Results based on counts outside ideal colony count range.

13342500 CLEARWATER RIVER AT SPALDING, ID--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
NOV										
23...	20	13	<0.5	1	<1	<3	41	19	10	<4
MAR										
12...	190	22	<0.5	<1	<1	<3	6	180	6	<4
MAY										
08...	90	10	<0.5	<1	<1	<3	3	410	2	25

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV									
23...	<1	<0.1	<10	<1	<1	<1	21	<6	29
MAR									
12...	10	<0.1	<10	2	<1	<1	33	<6	24
MAY									
08...	71	0.1	<10	1	<1	<1	85	<6	4

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. THAN .062 MM
NOV			
23...	4	137	57
JAN			
08...	3	38	82
MAR			
12...	55	7600	43
MAY			
08...	9	659	85
JUL			
18...	2	30	81
SEP			
25...	4	135	91

13342500 CLEARWATER RIVER AT SPALDING, ID--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10.5	9.5	6.0	5.5	3.0	3.0	3.0	2.0	---	---	5.0	5.0
2	10.0	10.0	5.5	5.5	3.0	3.0	2.0	1.5	---	---	5.5	5.0
3	11.0	10.0	6.0	5.5	3.0	3.0	3.0	2.0	---	---	5.5	5.5
4	10.5	9.5	6.0	5.5	3.0	3.0	3.0	2.0	---	---	5.5	5.0
5	11.0	9.5	5.5	5.5	3.0	3.0	2.0	1.5	---	---	5.0	5.0
6	11.0	10.0	6.0	5.5	3.0	3.0	2.0	1.5	---	---	5.0	5.0
7	10.5	9.5	6.0	6.0	3.0	3.0	2.0	2.0	---	---	5.0	5.0
8	9.5	8.5	6.0	5.5	3.0	3.0	2.0	2.0	---	---	5.5	5.5
9	8.5	6.5	5.5	4.5	3.0	3.0	2.0	2.0	---	---	5.5	5.5
10	8.5	7.0	4.5	4.0	3.5	3.0	2.0	1.5	---	---	5.5	5.5
11	7.0	7.0	4.0	4.0	3.5	3.5	1.5	1.0	---	---	5.5	5.5
12	7.0	7.0	4.0	3.5	3.5	3.5	1.0	.5	---	---	5.5	5.5
13	8.0	6.5	3.5	3.0	3.5	3.5	1.0	.5	---	---	6.0	5.5
14	8.0	7.0	3.0	2.0	3.5	2.0	---	---	---	---	6.0	6.0
15	9.0	7.0	2.0	2.0	2.0	1.5	---	---	---	---	6.0	6.0
16	9.0	8.5	4.0	2.0	1.5	1.5	---	---	---	---	6.0	5.5
17	9.0	8.0	4.0	4.0	3.0	1.5	---	---	---	---	6.0	6.0
18	9.0	8.0	4.0	4.0	3.0	3.0	---	---	---	---	6.0	6.0
19	9.0	8.5	4.0	3.5	3.0	3.0	---	---	---	---	7.0	6.5
20	9.0	8.5	3.5	3.5	3.0	3.0	---	---	---	---	7.0	6.0
21	9.0	8.5	3.5	3.0	3.0	3.0	---	---	---	---	6.5	6.5
22	8.5	8.0	3.5	3.0	3.0	3.0	---	---	4.5	3.5	6.5	6.0
23	8.0	8.0	3.0	3.0	3.0	3.0	---	---	4.5	4.5	6.5	6.0
24	8.0	8.0	3.5	3.0	3.0	2.0	---	---	5.5	5.0	7.0	6.0
25	8.5	8.0	3.5	3.5	2.0	1.5	---	---	5.0	5.0	7.0	6.0
26	8.0	7.0	3.5	3.5	2.0	1.0	---	---	6.0	5.0	7.0	6.5
27	7.0	6.5	3.5	3.5	3.0	2.0	---	---	5.5	5.0	8.0	6.5
28	7.0	7.0	3.5	3.0	3.0	3.0	---	---	5.0	5.0	8.0	7.0
29	7.0	6.5	3.0	3.0	3.0	3.0	---	---	---	---	9.0	8.0
30	6.5	6.0	3.0	3.0	3.0	3.0	---	---	---	---	8.5	8.0
31	6.0	6.0	---	---	3.0	3.0	---	---	---	---	8.0	7.0
MONTH	11.0	6.0	6.0	2.0	3.5	1.0	3.0	.5	6.0	3.5	9.0	5.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	6.5	8.5	7.0	11.5	10.5	19.5	15.0	20.5	17.0	16.0	15.5
2	6.5	6.5	9.0	8.5	11.5	10.5	18.5	15.5	21.0	18.5	17.0	15.0
3	7.0	6.0	9.5	9.0	11.5	11.0	17.0	15.0	21.0	19.0	16.0	14.0
4	8.0	6.5	9.5	9.5	12.0	11.5	16.5	15.5	21.0	18.5	15.0	13.5
5	9.0	7.0	9.5	8.0	12.0	11.5	17.0	15.0	20.5	18.5	14.5	13.5
6	9.5	8.5	8.0	7.0	11.5	11.0	17.0	15.0	20.5	18.5	14.5	13.5
7	9.5	8.5	7.0	7.0	11.5	11.0	17.0	15.0	20.5	18.5	15.0	14.0
8	9.5	9.0	8.0	7.0	11.5	11.0	17.0	15.0	21.0	18.5	14.5	13.5
9	9.5	9.0	8.5	8.0	11.5	11.0	18.0	15.0	21.5	18.5	13.5	13.0
10	9.0	9.0	8.0	8.0	13.0	11.5	16.5	15.5	21.5	19.5	13.0	13.0
11	9.0	8.0	8.0	8.0	14.0	13.0	18.0	15.0	21.5	20.0	13.0	13.0
12	8.0	8.0	8.5	8.0	14.0	13.5	18.5	15.0	20.0	18.5	13.0	12.0
13	8.0	7.0	9.0	8.0	14.5	14.0	19.0	16.5	20.0	18.0	13.0	12.0
14	7.0	6.5	8.5	8.0	15.0	14.0	18.0	15.5	20.5	18.0	13.5	13.0
15	7.0	6.5	8.0	7.0	15.5	14.0	18.0	15.5	20.5	18.5	13.5	13.0
16	8.5	7.0	8.5	7.0	16.5	15.0	16.0	15.0	20.0	18.0	13.0	13.0
17	3.5	7.0	9.5	8.5	16.5	15.0	18.0	15.0	20.5	18.5	13.0	13.0
18	8.0	7.0	10.0	9.0	15.5	14.5	18.0	15.5	20.5	18.5	13.0	13.0
19	7.0	6.5	11.0	10.0	15.0	14.0	19.0	17.0	20.5	18.5	13.0	11.0
20	8.5	6.5	11.0	10.5	15.0	14.0	19.0	17.0	20.5	18.0	11.5	11.5
21	10.5	8.0	10.5	9.5	17.0	14.0	19.5	18.0	20.0	18.5	12.0	11.0
22	10.0	9.5	9.5	8.5	18.0	15.0	20.0	18.5	19.0	16.5	12.0	11.5
23	9.5	8.5	8.5	8.0	18.5	15.5	19.5	18.5	18.5	18.0	11.5	11.5
24	8.5	7.0	9.0	8.5	18.0	14.5	20.0	18.0	18.0	16.0	11.5	11.5
25	7.0	7.0	10.5	9.0	19.0	15.5	20.0	18.5	17.0	15.5	13.0	11.5
26	8.5	7.0	11.0	10.5	19.0	15.0	19.5	18.0	18.0	15.5	12.0	11.5
27	8.0	8.0	11.0	10.5	19.5	15.5	20.0	17.0	19.0	16.0	12.0	11.5
28	8.0	7.0	10.5	10.0	18.5	16.0	19.5	17.0	19.0	17.0	12.0	11.5
29	8.0	7.0	11.0	10.0	19.5	18.5	19.0	17.0	19.0	18.0	11.5	11.0
30	8.0	6.0	11.0	10.0	19.0	16.0	19.0	15.0	18.0	16.0	11.5	11.0
31	---	---	11.0	10.5	---	---	20.0	16.5	16.5	16.0	---	---
MONTH	10.5	6.0	11.0	7.0	19.5	10.5	20.0	15.0	21.5	15.5	17.0	11.0

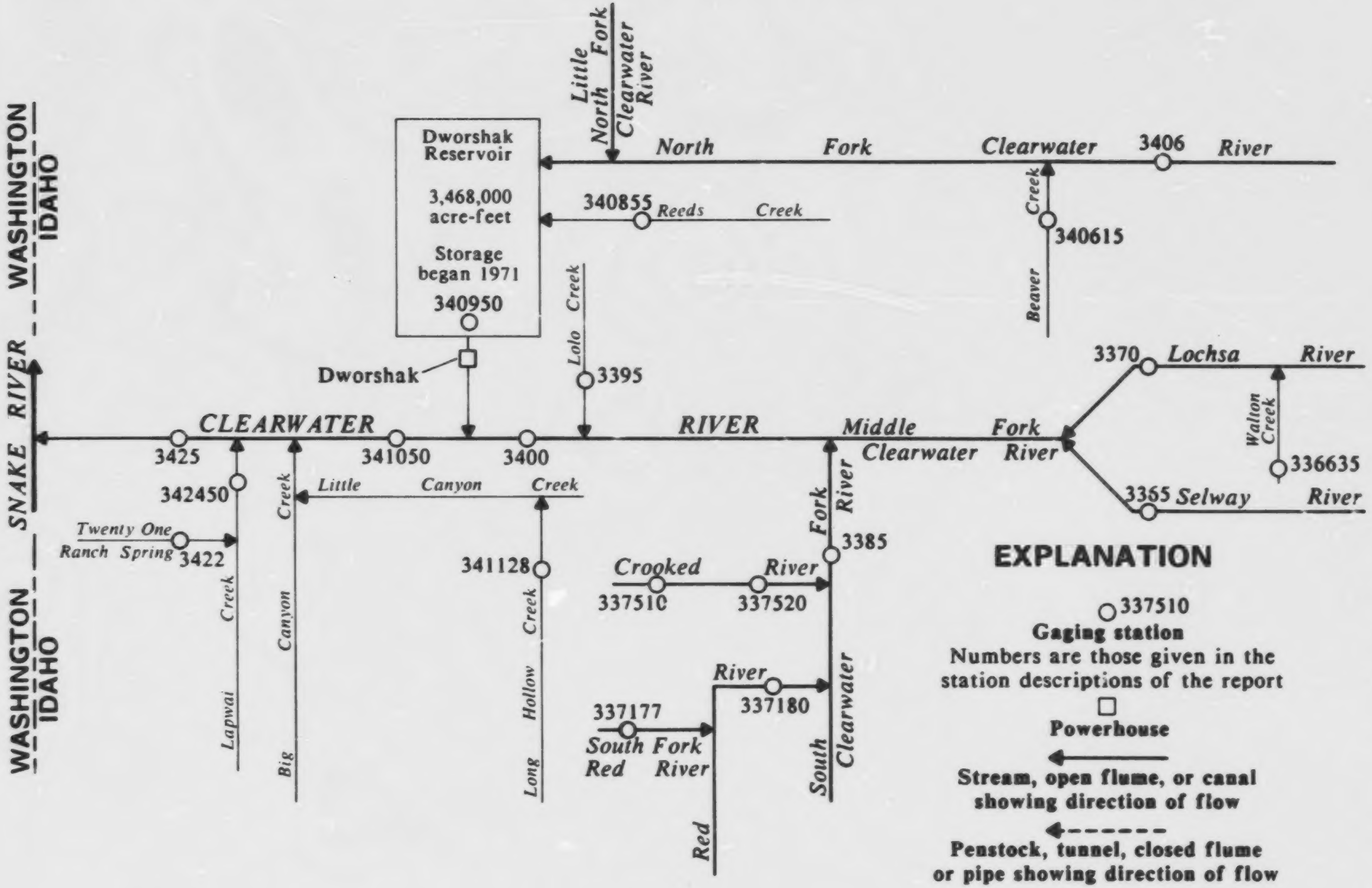
WASHINGTON
IDAHO
SNAKE RIVER
WASHINGTON
IDAHO
Little North Fork Clearwater River
North Fork Clearwater River
3406
Dworshak Reservoir
3,468,000 acre-feet
Storage began 1971
340950
340855
Reeds Creek
Beaver Creek
340615
Lolo Creek
3395
Dworshak
CLEARWATER RIVER
3425
341050
3400
Middle Fork Clearwater River
3370
Lochsa River
Walton Creek
336635
3365
Selway River
342450
Twenty One Ranch Spring
3422
Lapwai Creek
Big Canyon Creek
Little Canyon Creek
341128
Long Hollow Creek
South Fork Clearwater River
3385
Crooked River
337510
337520
Red River
337180
337177
South Fork Red River
EXPLANATION
337510
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow

Figure 26.--Gaging stations in Clearwater River basin.

13345000 PALOUSE RIVER NEAR POTLATCH, ID

LOCATION.--Lat 46°54'55", long 115°57'00", in NE¼NW¼ sec.10, T. 41 N., R. 5 W., Latah County, Hydrologic Unit 17060108, on left bank 20 ft downstream from bridge on U.S. Highway 95, 1.0 mi downstream from Deep Creek, 2.0 mi west of Potlatch, and at mile 132.2.

DRAINAGE AREA.--317 mi^2.

PERIOD OF RECORD.--October 1914 to September 1919, December 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,455.11 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Department of Highways). October 1914 to September 1919, water-stage recorder at site 0.2 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Nov. 24-30, Dec. 21-29, Jan. 1-3. Records good except for estimated daily discharges, which are fair. Low and medium flows regulated at millpond in Potlatch prior to 1974. Small amounts of water diverted for sprinkle irrigation systems above gage.

AVERAGE DISCHARGE --24 years (1915-19, 1968-86), 275 ft^3/s, 11.78 in./yr, 199,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft^3/s Jan. 16, 1974, gage height, 21.08 ft; minimum daily, 0.07 ft^3/s Sept. 24, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 17	0130	2260	11.81	Feb. 24	1900	*3400	*13.72
				Mar. 8	0230	2130	11.55

Minimum discharge, 3.4 ft^3/s Aug. 29, gage height, 3.92 ft.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 15-20; stage-discharge relation
affected by ice Nov. 24-30, Dec. 21-29, Jan. 1-3)

3.9	3.4	4.6	32	7.0	405
4.0	5.1	5.0	64	8.0	685
4.1	7.3	5.5	120	10.0	1420
4.3	14	6.0	197	12.0	2410
				14.0	3560

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	24	22	942	1430	670	137	69	22	8.4	14
2	12	55	25	22	877	1420	558	128	64	20	7.9	14
3	10	75	27	22	1020	1310	456	171	59	19	7.8	13
4	11	51	27	22	836	1140	399	292	55	19	7.8	11
5	12	44	30	24	733	1120	358	273	55	23	7.4	9.6
6	12	51	32	26	537	1030	320	222	53	29	6.4	7.9
7	12	63	32	29	354	1470	302	200	49	26	6.0	6.7
8	13	72	34	36	264	1920	283	179	47	21	5.6	6.6
9	15	60	33	50	231	1720	279	160	44	19	6.0	6.4
10	15	47	28	62	195	1470	262	148	43	18	5.6	6.4
11	14	32	23	73	155	1190	233	140	40	21	5.3	6.3
12	15	29	21	64	126	1130	249	128	37	26	5.1	6.2
13	18	27	21	56	112	1040	339	121	35	22	5.1	6.7
14	19	24	22	50	107	937	338	127	34	18	5.0	7.3
15	18	22	21	45	146	805	307	110	39	16	5.1	9.1
16	17	27	21	48	1150	709	368	101	39	15	5.0	11
17	16	27	23	107	1700	652	341	93	33	20	4.4	14
18	16	27	25	102	964	586	276	88	31	40	4.2	12
19	14	20	26	244	626	615	239	81	34	29	4.1	11
20	14	22	26	192	428	583	215	82	34	22	5.7	11
21	14	22	24	133	400	603	201	215	31	17	6.5	12
22	17	21	23	107	520	588	193	512	29	15	5.0	12
23	28	18	22	224	1730	526	202	284	27	12	4.1	12
24	28	18	21	240	3130	635	175	205	26	12	4.2	12
25	46	19	21	145	2780	652	165	166	24	10	4.2	21
26	99	20	21	118	2480	548	157	143	22	9.9	3.9	28
27	48	21	21	102	1960	521	150	124	22	10	3.8	27
28	34	22	21	114	1520	550	208	111	22	9.7	3.6	24
29	26	23	22	246	---	590	174	99	22	9.4	4.2	29
30	22	23	22	895	---	677	148	88	23	9.4	6.6	58
31	22	---	22	1010	---	861	---	74	---	8.8	9.4	---
TOTAL	669	1006	761	4630	26023	29038	8585	5002	1142	568.2	173.4	425.2
MEAN	21.6	33.5	24.5	149	929	937	286	161	38.1	18.3	5.59	14.2
MAX	99	75	34	1010	3130	1920	670	512	69	40	9.4	58
MIN	10	18	21	22	107	521	148	74	22	8.8	3.6	6.2
CFSM	.07	.11	.08	.47	2.93	2.96	.90	.51	.12	.06	.02	.04
IN.	.08	.12	.09	.54	3.05	3.41	1.01	.59	.13	.07	.02	.05
AC-FT	1330	2000	1510	9180	51620	57600	17030	9920	2270	1130	344	843

CAL YR 1985 TOTAL 74424.2 MEAN 204 MAX 2440 MIN 6.2 CFSM .64 IN. 8.73 AC-FT 147600
WTR YR 1986 TOTAL 78022.8 MEAN 214 MAX 3130 MIN 3.6 CFSM .68 IN. 9.16 AC-FT 154800

13346800 PARADISE CREEK AT UNIVERSITY OF IDAHO AT MOSCOW, ID

LOCATION.--Lat 46°43'55", long 117°01'24", in NW¼NE¼SE¼ sec. 12, T. 39 N., R. 6 W., Latah County, Hydrologic Unit 17060108, on left bank 36 ft upstream from county road crossing at northwest end of University of Idaho playing field, 0.6 mi upstream from Idaho-Washington State line, and 7.0 mi upstream from mouth.

DRAINAGE AREA.--17.7 mi^2.

PERIOD OF RECORD.--October 1978 to current year. Prior to October 1979, published as "at Moscow."

GAGE.--Water-stage recorder. Datum of gage is 2,543.46 ft above National Geodetic Vertical Datum of 1929 (levels by University of Idaho Engineering Dept.).

REMARKS.--Estimated daily discharges: Nov. 25-27, Dec. 12-14, 23-28, Dec. 30 to Jan. 3. Records good.

AVERAGE DISCHARGE.--8 years, 7.38 ft^3/s, 5.66 in./yr, 5,350 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 430 ft^3/s Feb. 26, 1979, gage height, 7.96 ft; maximum gage height, 9.18 ft Jan. 24, 1984; minimum discharge, 0.07 ft^3/s Oct. 21-24, 1984; minimum gage height, 3.47 ft Nov. 27, 28, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge measured, 900 ft^3/s Jan. 21, 1972, gage height, 9.87 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 30	0830	294	7.82	Feb. 23	2345	*414	*9.07
Feb. 16	1730	296	7.84				

Minimum discharge, 0.16 ft^3/s Sept. 9-11; minimum gage height, 3.53 ft Nov. 13-15.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Nov. 25-27, Dec. 12-14, 23-28, Dec. 30 to Jan. 3)

3.50	0.16	3.70	2.2	5.0	56
3.54	.33	3.80	3.8	6.0	130
3.58	.62	4.00	8.2	7.0	218
3.62	1.0	4.2	14	9.0	407
3.66	1.5	4.5	27		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	1.8	.45	.48	42	25	5.1	2.5	1.6	.66	.59	1.4
2	.45	.55	.62	.54	39	21	4.7	3.6	1.7	.94	.55	4.1
3	.53	.39	1.1	.70	41	18	4.2	6.3	1.5	.86	.44	.28
4	.45	.76	.77	.88	28	17	4.2	6.2	1.4	2.5	.63	.29
5	.53	1.5	.97	1.2	43	15	3.8	4.5	1.2	1.2	.48	.23
6	1.4	.90	2.1	3.8	26	15	3.5	4.5	.98	.80	.57	.20
7	1.8	1.6	2.1	1.5	18	39	3.3	2.5	.93	.85	.52	.20
8	.59	5.6	1.2	1.6	12	21	3.2	2.6	.92	1.1	.56	.38
9	.46	1.6	.85	6.0	9.1	46	3.0	2.2	.85	.73	.42	.17
10	.45	.69	.56	7.8	8.9	21	2.8	1.8	.82	2.9	.41	.17
11	.57	.45	.39	4.6	7.2	17	3.7	1.7	.77	1.6	.68	.19
12	.45	.34	.39	3.6	5.2	21	6.2	1.7	.82	.72	1.2	.20
13	.41	.23	.38	3.3	6.0	18	6.4	2.3	.61	.54	.46	3.4
14	.49	.29	.39	2.8	8.4	17	5.9	1.9	1.5	.56	.41	.67
15	.59	.26	.40	2.9	26	13	5.8	1.6	.96	.57	.47	.39
16	.45	3.4	.48	9.6	202	12	6.4	1.4	.72	2.0	.39	.32
17	.52	.94	.48	10	84	11	4.4	1.3	.78	3.6	.39	3.5
18	.54	.48	.45	12	38	9.8	4.0	1.3	.89	1.1	.49	.68
19	.53	.38	.39	36	27	11	3.6	4.4	.82	.94	.46	.29
20	.53	.43	.38	30	21	9.2	3.5	6.5	.63	.86	.91	2.6
21	1.9	.39	.39	15	21	7.8	3.5	19	.52	.83	.29	3.8
22	3.9	.31	.34	11	78	7.4	4.2	8.2	.65	.53	.28	.35
23	1.3	.28	.34	29	324	6.9	3.2	4.2	.71	.58	.30	.91
24	5.1	.28	.33	26	201	9.9	2.8	3.3	.67	.50	.29	3.2
25	6.6	.29	.32	14	74	6.6	4.7	2.7	.70	.57	.48	2.0
26	1.1	.30	.32	11	46	6.1	3.2	2.5	.59	.48	.58	1.1
27	.72	.32	.32	11	35	5.8	3.9	2.3	.56	.52	1.2	.94
28	.56	.33	.33	15	29	5.3	3.4	2.2	.72	.58	.33	1.2
29	.42	.33	.33	79	---	5.0	2.8	2.1	.78	.53	14	4.4
30	.46	.33	.38	199	---	7.4	2.9	1.7	.65	.53	11	2.0
31	.68	---	.40	67	---	6.2	---	1.5	---	.59	4.8	---
TOTAL	34.93	25.75	18.63	616.30	1499.8	451.4	124.3	110.5	26.95	31.27	44.58	39.56
MEAN	1.13	.86	.60	19.9	53.6	14.6	4.14	3.56	.90	1.01	1.44	1.32
MAX	6.6	5.6	2.1	199	324	46	8.4	19	1.7	3.6	14	4.4
MIN	.41	.23	.32	.48	5.2	5.0	2.8	1.3	.52	.48	.28	.17
AC-FT	69	51	37	1220	2970	895	247	219	53	62	88	78

CAL YR 1985	TOTAL	2641.07	MEAN	7.24	MAX	126	MIN	.23	AC-FT	5240
WTR YR 1986	TOTAL	3023.97	MEAN	8.28	MAX	324	MIN	.17	AC-FT	6000

13350448 COW CREEK AT GENESEE, ID

LOCATION.--Lat 46°32'48", long 116°55'37" in SW¼NW¼SE¼, sec. 14, T. 37 N., R. 5 W., Latah County, Hydrologic Unit 17060108, on upstream side of county road bridge 0.2 mi south of main road through Genesee, 0.7 mi upstream from Genesee sewage disposal facilities, and 1.2 mi upstream from U.S. Highway 95.

DRAINAGE AREA.--34.3 mi^2.

PERIOD OF RECORD.--October 1979 to July 1983, January 1984 to September 1986 (discontinued).

GAGE.--Nonrecording wire-weight gage mounted on upstream guardrail and crest-stage gage on upstream left wingwall to record peaks. Elevation of gage is 2,660 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 1 and Dec. 11 to Jan. 17. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--5 years (water years 1980-82, 1985-86), 9.12 ft^3/s, 3.61 in./yr, 6,610 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,330 ft^3/s Feb. 16, 1982; maximum gage height observed, 16.62 ft Feb. 14, 1982 (backwater from ice jam); no flow during summer months, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,080 ft^3/s Feb. 23, gage height, 14.06 ft; no flow on many days.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 23, Dec. 2-10, Jan. 18 to Feb. 22, Mar. 2-4;
stage-discharge relation affected by ice Nov. 24 to Dec. 1, Dec. 11 to Jan. 17)

9.1	0.00	10.0	8.9
9.2	.36	10.2	15.2
9.3	.19	10.5	29.4
9.4	.54	11.0	69.0
9.5	1.10	11.5	133
9.6	1.94	12.0	228
9.8	4.52	13.0	540
		14.0	1053

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	.85	.60	.73	138	44	8.9	3.2	1.2	.27	.01	.06
2	.22	.91	.64	.74	48	37	9.7	3.2	1.2	.24	.01	.06
3	.24	.97	.69	.77	53	33	7.5	3.9	1.1	.22	.00	.06
4	.27	.91	.69	.80	64	31	7.2	4.2	1.0	.22	.00	.06
5	.24	.85	.64	.83	40	26	6.8	5.0	.97	.24	.00	.06
6	.24	.97	.64	.86	29	24	6.4	4.0	.91	.27	.00	.06
7	.50	1.3	.69	.92	20	31	6.2	3.3	1.0	.30	.00	.08
8	.59	1.4	.85	.97	13	29	5.8	2.9	1.1	.27	.00	.14
9	.64	1.2	.91	1.0	10	56	5.4	2.7	1.0	.27	.00	.12
10	.59	1.0	.91	1.1	8.6	31	5.2	2.4	1.0	.30	.00	.12
11	.50	.85	.80	1.2	6.4	26	4.9	2.3	.91	.41	.00	.12
12	.46	.69	.74	1.3	4.5	22	4.9	2.3	.79	.37	.00	.11
13	.41	.59	.72	1.4	4.9	20	6.4	2.2	.74	.30	.00	.11
14	.46	.59	.72	1.6	5.6	21	11	2.2	.69	.24	.00	.46
15	.59	.64	.72	1.8	7.0	20	8.0	2.1	1.0	.19	.00	.79
16	.54	.69	.74	2.2	47	19	8.6	2.0	.91	.24	.00	1.3
17	.54	.91	.77	3.1	90	18	8.0	1.9	.79	.34	.00	1.8
18	.50	.91	.83	3.9	33	18	5.8	1.8	.69	.30	.00	1.8
19	.50	.91	.87	4.9	24	23	5.0	1.8	.85	.27	.00	1.4
20	.46	.97	.86	6.6	21	19	4.9	1.9	.74	.19	.00	1.5
21	.59	.97	.83	6.8	14	14	4.9	4.9	.69	.12	.00	1.3
22	1.7	1.0	.80	7.7	88	12	5.0	7.7	.64	.09	.00	1.2
23	1.2	.97	.78	9.4	897	14	5.2	3.5	.59	.06	.00	1.2
24	.85	.65	.74	13	799	16	4.7	2.9	.50	.04	.00	.97
25	1.1	.62	.70	14	165	81	4.2	2.7	.50	.03	.00	1.0
26	.97	.59	.69	12	204	11	4.0	2.2	.46	.02	.00	.97
27	.91	.57	.69	9.7	136	10	4.0	1.8	.41	.02	.00	.97
28	.91	.56	.68	15	64	9.4	4.2	1.7	.37	.01	.00	1.0
29	1.0	.57	.69	37	---	8.9	3.6	1.5	.34	.01	.00	1.1
30	.79	.58	.70	306	---	11	3.2	1.4	.30	.02	.00	1.2
31	.74	---	.72	107	---	12	---	1.3	---	.01	.04	---
TOTAL	19.44	25.19	23.05	574.32	3034.0	747.3	179.6	86.9	23.39	5.88	.06	21.12
MEAN	.63	.84	.74	18.5	108	24.1	5.99	2.80	.78	.19	.00	.70
MAX	1.7	1.4	.91	306	897	81	11	7.7	1.2	.41	.04	1.8
MIN	.19	.56	.60	.73	4.5	8.9	3.2	1.3	.30	.01	.00	.06
AC-FT	39	50	46	1140	6020	1480	356	172	46	12	.1	42

CAL YR 1985 TOTAL 2346.52 MEAN 6.43 MAX 110 MIN .00 AC-FT 4650
WTR YR 1986 TOTAL 4740.25 MEAN 13.0 MAX 897 MIN .00 AC-FT 9400

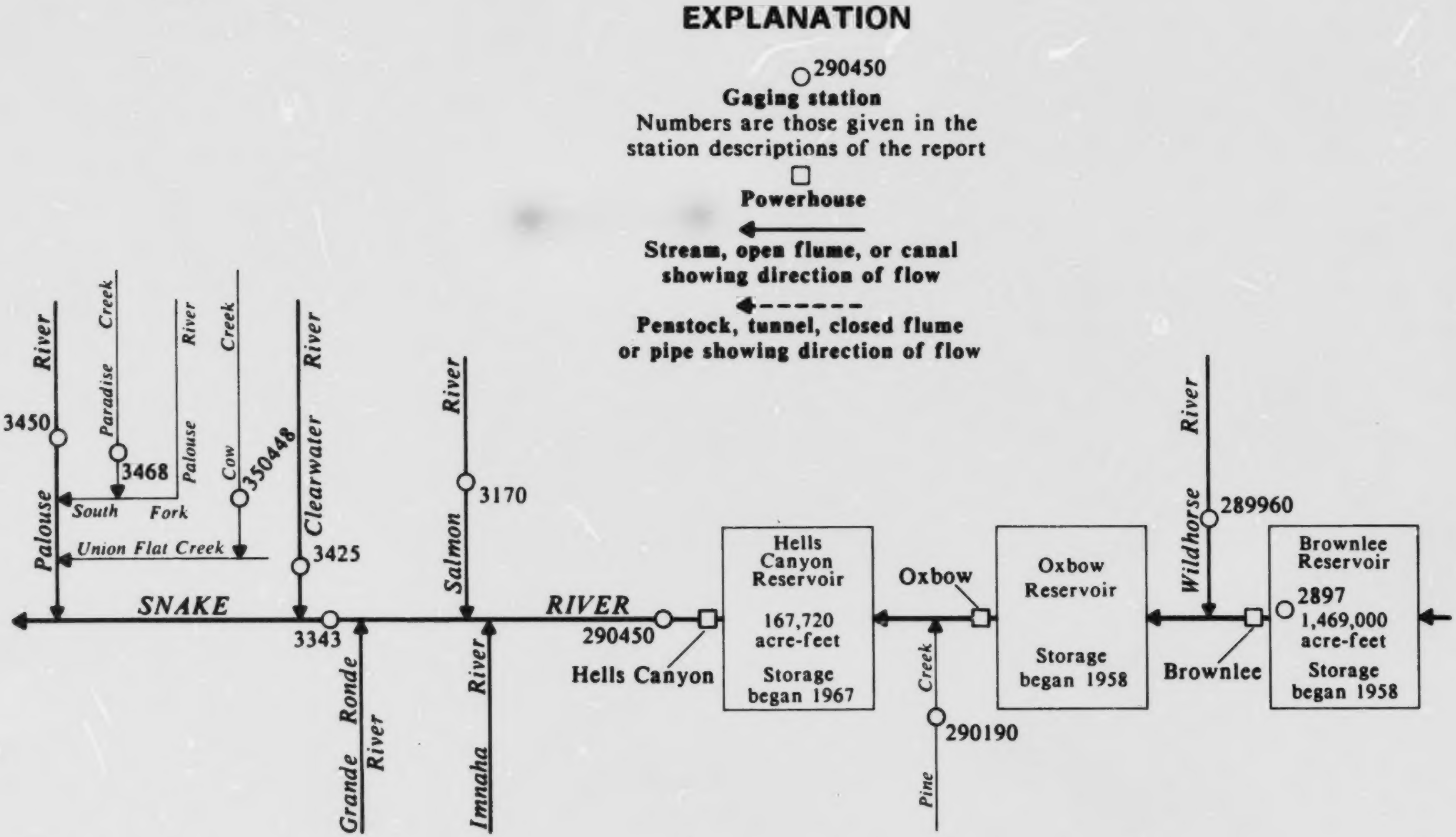
EXPLANATION
290450
Gaging station
Numbers are those given in the station descriptions of the report
Powerhouse
Stream, open flume, or canal showing direction of flow
Penstock, tunnel, closed flume or pipe showing direction of flow
Palouse River
3450
Paradise Creek
3468
Palouse River
South Fork
Cow Creek
350448
Union Flat Creek
Clearwater River
3425
SNAKE
3343
Grande Ronde River
Salmon River
3170
Imnaha River
RIVER
290450
Hells Canyon
Hells Canyon Reservoir
167,720 acre-feet
Storage began 1967
Oxbow
Pine Creek
290190
Oxbow Reservoir
Storage began 1958
Wildhorse River
289960
Brownlee
Brownlee Reservoir
2897
1,469,000 acre-feet
Storage began 1958

Figure 27.--Gaging stations in Snake River basin between Brownlee Reservoir and the mouth of the Palouse River.

DISCHARGE AT MISCELLANEOUS SITES

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements Date	Measurements Discharge (ft^3/s)
		Bear River basin				
Battle Creek Tributary nr Treasureton 10090859	Battle Creek	Lat 42° 16'40", long 111°48'50", in SW¼ sec.20, T.13 S., R.40 E., Franklin County, at mi 1.5, on side road from State Highway 34, and 2 mi northeast of Treasureton.	4.5a	1961-71, 1973-80	6-27-86 8-13-86 9-24-86	1.97 2.04 1.88
Unnamed Spring nr Holbrook 10172968	Deep Creek	Lat 42°10'4", long 112°37'57", SW¼SE¼ sec.29, T.14 S., R.33 E., Oneida County, 200 ft north of Highway 37, 1.2 mi east of Holbrook.	--	1985	9-25-86	21.3
		Kootenai River basin				
Kootenai River 12322900	Columbia River	Lat 49°29'40", long 117°20'04", at Grohman Narrows, 2 mi below Nelson, B.C.; measurements referred to gage 10 at Nelson (sta. 8NJ-9 of Water Survey of Canada).	17,700	1932-79, 1981-85	2-27-86 6-20-86 9-19-86	16,800 43,200 26,500
		Spokane River basin				
Boulder Creek 12414195	Marble Creek	Lat 47°13'36", long 116°01'05", in NW¼SW¼SE¼ sec.24, T.45 N., R.3 E., Hydrologic Unit 17010304, Shoshone County, on left bank 60 ft upstream from mouth, 200 ft upstream from Marble Creek gage, 2 mi upstream from St. Joe River, and 8 mi southeast of Calder.	17.2	1983-85	10-19-85 12- 7-85 2-21-86 3-25-86 6-11-86 8-05-86	8.21 12.6 36.7 61.5 31.9 7.71
		Hoback River basin				
Granite Creek 13019430	Hoback River	Lat 43°17'44", long 110°29'56", in sec.35, T.39 N., R.114 W., Teton County at Chevron Oil Co. bridge crossing, 1.0 mi upstream of Little Granite Creek confluence, 2.5 mi upstream from mouth and 12.3 mi east of Hoback Junction on U.S. Highway 187/189.	--	1983-85	10- 9-85 12-18-85 2-21-86 5- 9-86 5-14-86 5-21-86 5-28-86 6- 4-86 6-13-86 6-18-86 6-27-86 7- 2-86 7-11-86 7-16-86	64.8 48.8 47.6 169 138 367 652 1,030 980 948 938 654 471 607
		Snake River basin				
Progressive Canal 13037506	Snake River	NE¼NE¼ sec.12, T.2 N., R.37 E., Bonneville County 30 ft upstream from bridge. Previously published as "Anderson Waste Canal."	--	1985	5-29-86 6-25-86 7-18-86 8-25-86 9-18-86	16.7 29.4 13.8 48.7 10.7
Burgess Drain 13038111	.....do.....	NW¼SE¼ sec.1, T.3 N., R.37 E., Bonneville County, 45 ft downstream from headgates.	--	1985†	6- 2-86 6-25-86 7-18-86	2.37 0 6.50
		Henrys Fork basin				
Bechler River Tributary 13046603	.....do.....	Lat 44°13'5", long 110°59'46", T.49 N., R.118 W., Teton County, Yellowstone National Park, 0.25 mi above confluence to Bechler River in the upper Bechler Meadows.	--	----	9-10-86	7.01
Boundary Creek Tributary 10 13046655	Boundary Creek	Lat 44°15'59", long 111°01'26", T.50 N., R.118 W., Teton County, Yellowstone National Park, 600 ft downstream from Boundary Creek tributary 9, and also known as a main thermal spring from the Silver Scarf thermal area.	--	1984-85	9- 9-86	8.64
Boundary Creek 13046675	Bechler River	Lat 44°12'25", long 111°00'40", T.49 N., R.118 W., Teton County, Yellowstone National Park, 30 ft above the upper Boundary Creek bridge in the upper Bechler Meadows.	--	1984	9-10-86	93.6
Rexburg Canal Drain 13055337	Henrys Fork	NW¼SE¼, sec.29, T.6N., R.39 E., Jefferson County, at county road crossing, 6.0 mi west of Rexburg.	--	1985	5-29-86 6-25-86 7-16-86	19.6 32.5 30.4

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^{2})	Measured previously (water year)	Measurements	
					Date	Discharge (ft^{3}/s)
		Henrys Fork basin--Continued				
Texas Slough Canal 13056550	.....do.....	Lat 43°48'33", long 111°53'47", in SW¼NW¼NW¼ sec. 32, T.6 N., R.39 E., Madison County, 4.4 mi (7.0 km) northwest of Thornton.	--	1980, 1985	5-29-86	40.6
					6-25-86	67.0
					7-16-86	52.2
					8- 5-86	43.1
					9-18-86	28.4
Bannock Jim Spring 13056850	.....do.....	Lat 43°46'13", long 111°54'59", NE¼NE¼NW¼ sec.18, T.5 N., R.39 E., Madison County, 3.6 mi northwest of Thornton.	--	1980, 1985	6-25-86	56.5
					7-15-86	28.9
					8- 5-86	26.7
					8-25-86	22.5
					9-18-86	58.4
		Snake River basin				
Butte Market Lake Canal Waste 13057045	Snake River	Lat 43°39'20", long 112°05'23", in SE¼SW¼SE¼ sec.22, T.4 N., R.37 E., Jefferson County, 4.8 mi southeast of Roberts.	--	1980, 1985	5-29-86	27.3
					6-25-86	1.45
					7-15-86	7.74
					8- 5-86	5.31
					8-25-86	48.4
					9-18-86	62.9
Shull Drain 13060005	.....do.....	NE¼NW¼ sec.19, T.1 N., R.37 E., Bingham County, 5 ft downstream from weir.	--	1985	5-30-86	21.4
					6-26-86	26.2
					7-18-86	23.7
					8- 5-86	15.0
					8-25-86	5.16
					9-18-86	15.6
Blackfoot Canal Waste 13061435	.....do.....	SW¼NE¼ sec.34, T.2 S., R.35 E., Bingham County, at road crossing.	--	1985	5-29-86	24.2
					6-26-86	25.0
					7-17-86	29.1
					8- 6-86	15.3
					8-26-86	24.8
					9-17-86	25.9
Peoples Waste 13061527	.....do.....	NW¼NE¼ sec.30, T.3 S., R.34 E., Bingham County, 2 ft downstream from bridge.	--	1985	6-24-86	15.8
					7-15-86	.19
					8- 5-86	13.7
					8-26-86	13.0
					9-16-86	24.5
Corbett Slough Waste 13061652	.....do.....	SE¼NW¼ sec.26, T.2 S., R.35 E., Bingham County, 45 ft downstream from weir.	--	1985	5-29-86	12.7
					6-26-86	14.3
					7-17-86	6.78
					8-26-86	11.0
					9-17-86	11.3
Crawford Waste 130625061	.....do.....	NW¼NE¼ sec.15, R.34 E., Bingham County, 50 ft downstream from headgate.	--	1985	5-28-85	0
Watson Slough Waste 130625062	.....do.....	NE¼SW¼ sec.16, T.3 S., R.34 E., Bingham County, 10 ft downstream from bridge.	--	1985	5-28-86	41.4
					6-24-86	55.6
					7-15-86	41.4
					8- 5-86	38.2
					8-26-86	46.9
					9-16-86	67.5
Duncan Waste 130625063	.....do.....	NW¼NW¼ sec.16, T.3 S., R.34 E., Bingham County, 15 ft downstream from culvert.	--	1985	5-28-86	2.7
					6-24-86	1.5
					7-15-86	0
					8- 5-86	.5
					8-26-86	.4
					9-16-86	.2
Parsons Drain 130625071	.....do.....	NE¼NW¼ sec.12, T.3 S., R.34 E., Bingham County, 2 ft downstream from culvert.	--	1985	8-26-86	.60
					9-16-86	.96
Wolverine Creek 13065940	Blackfoot River	Lat 43°15'02", long 112°00'57", in NW¼NW¼ sec.16, T.2 S., R.38 E., Bingham County, on left bank 50 ft upstream from county road crossing, 1 mi upstream from Blackfoot River, and 10 mi southeast of Shelley.	--	1973, 1975-78, 1980-1986†	7- 9-86	7.91
					8-20-86	8.03
Trego Waste 13067107	.....do.....	NE¼SE¼ sec.33, T.2 S., R.35 E., Bingham County. Previously published as "Riverside Waste."	--	----	5- 1-85	0
					6- 6-85	25.7
					6-27-85	72.7
					7-26-85	15.5
					8-21-85	26.7
					9-11-85	76.5
					5-27-86	77.9
					6-24-86	85.5
					7-15-86	24.1
					8- 5-86	31.3
					8-26-86	44.7
					9-16-86	84.5

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water year)	Measurements	
					Date	Discharge (ft³/s)
		Snake River basin--Continued				
Johannes's Spring (A&B) 13069505	Snake River	Lat 43°06'04", long 112°32 18", in SE¼ sec.1, T.4 S., R.33 E., Bingham County, on right bank of Snake River, 3 mi east and 1 mi south of Pingree.	--	1977, 1980-81	3-27-86	5.34
Diggie Creek 13069506	.....do.....	Lat 43°05'39", long 112°32'26", in NE¼ sec.7, T.4 S., R.34 E., Bingham County, on left bank of Snake River, 2 mi south and 3.5 mi east of Pingree.	--	1977, 1979-81, 1984	3-27-86	299
Thorn Springs 13069507	.....do.....	Lat 43°05'00", long 112°33'13", in SE¼ sec.11, T.4 S., R.33 E., Bingham County, 2.5 mi south and 2 mi east of Pingree.	--	1977, 1980-81, 1984	3-28-86	10.1
Jeff Cabin Creek 13069508	.....do.....	Lat 43°04'03", long 112°33'01", in SW¼ sec.13, T.4 S., R.33 E., 150 ft below road crossing, and 9 mi west of Fort Hall.	--	1977, 1980-81, 1984	3-27-86	29.1
Log Cabin Spring 13069509	.....do.....	Lat 43°03'43", long 112°34'31", in NE¼ sec.22, T.4 S., R.33 E., 4 mi south of Pingree.	--	1977, 1980-81, 1985	3-27-86	8.08
Pyle Springs 13069511	.....do.....	Lat 43°03'42", long 112°34'32", in NE¼ sec.32, T.4 S., R.33 E., Bingham County, 6 mi south of Pingree.	--	1926-29, 1932-77, 1980-81, 1984-85	3-28-86	10.9
McTucker Springs 13069515	.....do.....	Lat 43°02'03", long 112°37'33", in NW¼ sec.32, T.4 S., R.33 E., Bingham County, 6 mi south of Pingree.	--	1926-29, 1932-67, 1980-81, 1984-85	3-27-86	5.86
Hull Springs 13069520	.....do.....	Lat 43°02'49", long 112°39'39", in NE¼ sec.25, T.4 S., R.33 E., Bingham County, 2.5 mi southeast of Springfield.	--	1926-29, 1932-67, 1971-72, 1974-78, 1980-81, 1984-85	3-28-86	8.64
Tanner Springs 13069524	.....do.....	Lat 43°02'49", long 12°39'30", in NE¼SW¼NE¼ sec.25, T.4 S., R.32 E., Bingham County, 2.6 mi southeast of Springfield.	--	1980-81, 1984-85	3-28-86	3.23
Crystal Ditch 13069529	.....do.....	Lat 43°02'50", long 112°40'00", in NE¼SW¼NW¼ sec.25, T.4 S., R.32 E., Bingham County, 2.45 mi southeast of Springfield.	--	1980-81, 1984-85	3-27-86	0
Artesian Springs 13069543	.....do.....	Lat 43°03'38", long 112°43'15", in SW¼SW¼NE¼ sec.21, T.4 S., R.32 E., Bingham County, 1.7 mi northeast of Sterling.	--	1980-81, 1984-85	3-27-86	3.76
Sterling Waste 13069548	.....do.....	Lat 43°01'49", long 112°43'36", in NE¼NW¼SW¼ sec.33, T.4 S., R.32 E., Bingham County, 0.5 mi southeast of Sterling.	--	1980-81, 1984-85	3-27-86 5-28-86 6-24-86 7-15-86 8-15-86 8-26-86 9-16-86	12.1 7.49 5.10 4.40 17.4 9.61 18.6
Coburn Waste 13069552	.....do.....	Lat 43°01'03", long 112°45'00", in SW¼SW¼NW¼ sec.5, T.5 S., R.32 E., Bingham County, 1.7 mi southwest of Sterling.	--	1980-81, 1984-85	3-27-86	6.38
		Portneuf River basin				
Rapid Creek 13075100	Portnuef River	Lat 42°48'02", long 112°13'46" in NW¼SW¼NE¼ sec.22, T.7 S., R.36 E., Bannock County, Hydrologic Unit 17040208 on right bank at upstream side of bridge crossing Rapid Creek, 40 ft downstream from Jackson Creek and 1.4 mi east of Inkom.	57.2	1980-82†, 1985-86†	7-23-86 8-11-86 9-22-86	888b 20.4 13.8
Robbers Roost Creek 13073700	.....do.....	Lat 42°42'30", long 112°12'10", in SE¼ sec.23, T.8 S., R.36 E., Bannock County, at culvert on U.S. Highway 30 N, 3.5 mi north of McCammon, and 5.5 mi south of Inkom.	5.7a	1961-71c, 1973-78	10- 4-85	.81
Pocatello Creek 13075750	.....do.....	SW¼SE¼ sec.14, T.6 S., R.34 E., Bannock County, above Fort Hall Main canal drain, at Pocatello.	--	----	5-29-86 6-26-86 7-17-86 8- 6-86 8-26-86 9-17-86	14.4 6.70 5.22 2.70 2.21 2.28
Pocatello Creek 13075780	.....do.....	NE¼NE¼ sec.21, T.6 S., R.34 F., Bannock County, above railroad crossing, at Pocatello.	--	----	5-29-86 6-26-86 7-17-86 8- 6-86 8-26-86 9-17-88	33.2 29.7 .58 17.2 3.43 12 9

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Portneuf River basin--Continued				
Wide Creek 13075920	.....do.....	Lat 42°57'30", long 112°34'10", in NW¼ sec.26, T.5 S., R.33 E., Power County, Fort Hall Indian Reservation, 5 mi northwest of Pocatello.	--	1926-29, 1932-78, 1980-81, 1984-85	3-27-86	47.1
Clear Creek 13075930	.....do.....	Lat 42°57'30", long 112°34'10", in SW¼ sec.11, T.5 S., R.33 E., Bannock County, just upstream from Ford Creek, and 7 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-85	3-27-86	121
Ford Creek 13075940	Clear Creek	Lat 42°59'40", long 112°34'15", in SW¼ sec.11, T.5 S., R.33 E., Bannock County, just upstream from mouth, and 7 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-85	3-27-86	8.63
Triple Creek 13075963	.....do.....	Lat 42°58'36", long 112°32'50", in NW¼ sec.24, T.5 S., R.33 E., Bannock County.	--	1926-29, 1932-78, 1980-81, 1984-85	3-27-86	1.77
Kinney Creek 13075970	Portneuf River	Lat 42°59'10", long 112°35'05", near center of sec.15, T.5 S., R.33 E., Bannock County, 8 mi west of Fort Hall.	--	1926-29, 1932-77, 1980, 1984-85	3-27-86	4.49
Jimmy Drinks 13075973	.....do.....	Lat 42°57'39", long 112°34'34", in SE¼NE¼NE¼ sec.27, T.5 S., R.33 E., Power County, 7 mi northwest of Pocatello.	--	1980-81, 1984-85	3-27-86	138
Big Spring Creek 13075985		Lat 42°00'09", long 112°38'01", in NE¼ sec.9, T.5 S., R.33 E., Bannock County, at road crossing, and 8 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-85	3-28-86	491
Big Jimmy Creek 13075990	Spring Creek	Lat 43°00'47", long 112°38'04", in SE¼ sec.4, T.5 S., R.33 E., Bannock County, 8 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-85	3-27-86	398
		Snake River basin				
Tartar Waste 13076210	Snake River	Lat 42°52'30", long 112°51'09", in NW¼SE¼NE¼ sec.29, T.6 S., R.31 E., Bingham County, 4.8 mi southwest of Aberdeen.	--	1980-81, 1984-85	3-27-86 5-28-86 6-25-86 7-15-86 8- 4-86 8-26-86 9-16-86	.68 21.2 13.0 14.0 9.85 8.74 10.3
Schiltz Creek 13076215	.....do.....	Lat 42°51'15", long 112°51'50", in NW¼NE¼SW¼ sec.32, T.6 S., R.31 E., Power County, 6.3 mi southwest of Aberdeen.	--	1980-81, 1984-85	3-27-86 5-28-86 6-25-86 7-15-86 8- 4-86 8-26-86 9-18-86	0 1.88 8.70 5.30 7.45 3.34 4.37
Seagull Bay Creek 13076250	.....do.....	Lat 42°49'17", long 112°48'21", in SE¼SE¼SE¼ sec.12, T.7 S., R.31 E., Power County, 4 mi northeast of American Falls.	--	1984-85	3-27-86	.73
Sunbeam Creek 13076280	.....do.....	Lat 42°48'20", long 112°49'04", in SE¼SW¼SW¼ sec.15, T.7 S., R.31 E., Power County, 2 mi northeast of American Falls.	--	1984-85	3-27-86	2.03
Cedar Creek 13076310	.....do.....	Lat 42°48'50", long 112°54'13", in SW¼SW¼NW¼ sec.13, T.7 S., R.30 E., Power County, 2.3 mi northwest of American Falls.	--	1980-81, 1984-85	3-27-86 5-28-86 6-25-86 7-15-86 8- 4-86 8-25-86 9-18-86	.47 1.62 1.30 1.00 1.33 .55 2.03
Ruegar Springs 13076800	.....do.....	Lat 42°46'00", long 112°52'55", in SW¼ sec.31, T.8 S., R.31 E., Power County, at fish hatchery, and 0.9 mi downstream from American Falls Dam.	--	1927-29, 1932-53, 1961-75, 1977, 1980-81, 1984-85	3-27-86	17.5
		Warm Creek basin				
Warm Creek 13077070	.....do.....	SE¼SE¼ sec.11, T.8 S., R.30 E., Power County, at railroad crossing at Neeley.	--	1910	5-29-86 6-23-86 7-14-86 8- 4-86 8-25-86 9-15-86	2.44 2.10 2.15 2.41 2.20 3.88

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water year)	Measurements	
					Date	Discharge (ft³/s)
		Rock Creek Basin				
Rock Creek 13077400	.....do.....	Lat 42°30'40", long 112°50'30", in SE¼NW¼ sec.33, T.10 S., R.31 E., Power County, 1.9 mi upstream from former gage site and 4.6 mi southeast of Rockland.	13.7	1947,1963, 1965 1973-77	10- 4-85	16.6
		Fall Creek basin				
Fall Creek at Mouth 13077655	Snake River	Lat 42°37'28", long 113°05'03", in NE¼SE¼SE¼ sec.20, T.9 S., R.29 E., Power County, 0.2 mi upstream from mouth, 4 mi southwest of Register Rock State Park, and 16 mi southwest of American Falls.	--	1910,1929, 1970-71 1985	5-29-86	29.8
					6-25-86	25.0
					7-14-86	26.4
					8- 5-86	25.3
					8-25-86	25.6
					9-15-86	26.6
		Snake River basin				
D-3 Drain 13082032	Snake River	SW¼NW¼ sec.25, T.9 S., R.24 E., Minidoka County, at downstream end of culvert.	--	1985	5-29-86	2.70
					6-25-86	16.8
					7-16-86	21.3
					8- 6-86	1.70
					8-27-86	15.6
					9-17-86	10.6
Drain from A-1 canal 13082037	.....do.....	NE¼NE¼ sec.3, T.10 S., R.24 E., Minidoka County, at second weir from mouth.	--	1985	5-29-86	2.09
					6-25-86	7.16
					7-16-86	8.16
					8- 6-86	7.41
					8-26-86	.66
					9-17-86	.30
D-5 Drain 13082062	.....do.....	NW¼SW¼ sec.15, T.10 S., R.24 E., Mindoka County, 80 ft downstream from culvert.	--	1985	5-29-86	8.6
					6-25-86	7.3
					7-16-86	18.6
					8- 6-86	37.3
					8-27-86	8.6
					9-17-86	39.4
A-4 canal drain 13082064	.....do.....	NE¼NE¼ sec.22, T.10 S., R.24 E., Mindoka County, 100 ft downstream from culverts.	--	1985	5-29-86	3.19
					6-25-86	1.57
					7-16-86	7.90
					8- 6-86	12.3
					8-27-86	1.79
					9-17-86	22.1
		Spring Creek basin				
Spring Creek 13082330	Snake River	Lat 42°30'58", long 113°40'49", in SE¼NE¼NW¼ sec.32, T.10 S., R.24 E., Cassia County, 2.75 mi west of Declo at Highway 30 crossing.	--	1980-81, 1985	5-29-86	28.5
					6-26-86	27.1
					7-16-86	22.7
					8- 6-86	25.6
					8-27-86	19.0
					9-17-86	19.7
		Snake River basin				
D-16 Drain 13082525	Snake River	SE¼NW¼ sec.22, T.10 S., R.23 E., Minidoka County.	--	1985	5-30-86	7.6
					6-26-86	17.0
					7-17-86	33.4
					8- 6-86	22.0
					8-27-86	14.8
					9-17-86	20.8
		Goose Creek basin				
Birch Creek 13084400	Goose Creek	Lat 42°10'57", long 113°50'05", in sec.25, T.14 S., R.22 E., Cassia County, 1 mi upstream from Birch Creek feeder canal and 6 mi southeast of Oakley.	33.5	1912-13, 1973-81† 1984-85	10-17-85	4.42
					11-18-85	5.39
					12-11-85	4.90
					1-23-86	6.27
					2-12-86	5.93
					3-18-86	15.4
					4-15-86	35.6
					5-20-86	32.0
					6-19-86	13.3
					7-17-86	6.79
					8-20-86	4.74
					9-18-86	5.68

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Goose Creek basin--Continued				
Mill Creek 13084300	.....do.....	Lat 42°14'13", long 113°46'38", in sec.4, T.14 S., R.23 E., Cassia County, 5 ft upstream from culvert on N-S road, 1/2 mi east of Basin.	7.3	1984-85	10-17-85	1.02
					11-14-85	.94
					12-10-85	.82
					1-23-86	.83
					2-12-86	.74
					3-18-86	2.04
					4-15-86	6.61
					5-20-86	20.4
					6-19-86	21.6
					7-18-86	2.32
					8-20-86	.66
					9-18-86	1.38
Land Creek 13084630	.....do.....	Lat 42°18'04", long 113°44 09", in SW¼SW¼SW¼ sec.11, T.13 S., R.23 E., Cassia County.	4.91	1984-85	10-17-85	.83
					11-14-85	.93
					12-10-85	1.03
					1-23-86	1.22
					2-12-86	1.76
					3-18-86	3.36
					4-15-86	5.22
					5-20-86	9.82
					6-20-86	3.71
					7-17-86	1.58
					8-20-86	1.26
					9-18-86	.77
Willow Creek 13084650	.....do.....	Lat 42°20'52", long 113°43'44", in SE¼SW¼NW¼ sec.28, T.12 S., R.23 E., Cassia County.	2.78	1984-85	10-17-85	2.82
					11-14-85	2.97
					12-10-85	4.00
					1-23-86	3.83
					2-12-86	3.98
					3-18-86	3.65
					4-15-86	3.69
					5-22-86	7.27
					6-20-86	13.6
					7-17-86	7.73
					8-20-86	5.89
					9-18-86	5.35
Goose Creek 13084700	Snake River	Lat 42°30'10", long 113°46'03", in NW¼SE¼SE¼ sec.21, T.10 S., R.23 E., Cassia County, at Highway 30 crossing.	--	1980-81, 1985	5-29-86	4.15
					6-25-86	3.81
					7-16-86	13.6
					8- 6-86	17.0
					8-26-86	13.8
					9-17-86	6.7
		Snake River basin				
D-15 Drain 13084705	Snake River	SW¼NW¼ sec.15, T.10 S., R.23 E., Minidoka County, 0.2 mi above mouth, at Heyburn.	--	----	5-29-86	8.00
					6-26-86	6.11
					7-17-86	6.68
					8- 6-86	4.90
					8-27-86	5.27
					9-17-86	6.92
B Canal Drain 13084707	.....do.....	SW¼SW¼ sec.9, T.10 S., R.23 E., Minidoka County, 0.2 mi above mouth, at Heyburn.	--	----	5-29-86	11.6
					6-26-86	9.64
					7-17-86	14.1
					8- 6-86	7.38
					8-27-86	16.6
					9-17-86	16.1
D-17 Drain 13085060	.....do.....	SE¼SW¼ sec.14, T.10 S., R.22 E., Minidoka County.	--	1985	5-29-86	21.8
					6-26-86	7.9
					7-17-86	23.9
					8- 6-86	9.78
					8-27-86	8.24
					9-18-86	9.67
Main Drain 13085065	.....do.....	NW¼NE¼ sec.15, T.10 S., R.22 E., Minidoka County.	--	1985	5-29-86	38.8
					6-26-86	28.2
					7-17-86	45.8
					8- 6-86	46.9
					8-27-86	42.9
					9-18-86	33.1
		Dry Creek basin				
Dry Creek 13088400	Snake River	Lat 42°23'49", long 114°20'25", in sec.24, T.12 S., R.19 E., 0.1 mi upstream from second well above Tugaw's ranch.	39.4	1910, 1913, 1984-85	10-15-85	1.41
					11-15-85	.95
					12-12-85	1.59
					1-24-86	8.23
					2-21-86	5.03
					3-18-86	19.0
					4-16-86	48.5
					5-20-86	41.0
					6-19-86	7.32
					7-17-86	2.08
					8-20-86	1.68
					9-18-86	1.47

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Dry Creek basin--Continued				
Cottonwood Creek 13088510	Dry Creek	Lat 42°17'39", long 114°01'18", in sec.17, T.13 S. R.21 E., Cassia County, 0.85 mi upstream from culvert on Big Cedar Road.	30.3	1984-85	10-16-85	2.26
					11-18-85	2.92
					12-11-85	1.15
					1-22-86	2.54
					2-11-86	2.67
					3-18-86	12.3
					4-15-86	61.8
					5-20-86	77.6
					7-22-86	3.40
					8-19-86	1.58
					9-18-86	1.70
Big Cedar Creek 13088525	Cottonwood Creek	Lat 42°18'18", long 114°04'20", in sec.7, T.13 S., R.21 E., Cassia County.	12.4	1984-85	10-16-85	0
					11-18-85	0
					12-11-85	0
					1-22-86	0
					2-11-86	0
					3-18-86	1.19
					4-16-86	3.35
					5-20-86	2.59
					6-19-86	.36
					7-17-86	0
					8-19-86	0
					9-18-86	0
Buckhorn Creek 13088560	.....do.....	Lat 42°20'50", long 114°04'20", sec.26, T.12 S., R.20 E., Cassia County.	5.06	1984-85	10-16-85	.04
					12-12-85	0
					1-23-86	.05
					2-11-86	.07
					3-18-86	.14
					4-16-86	.17
					5-20-86	.08
					6-19-86	.14
					7-17-86	.07
					8-20-86	.01
					9-18-86	.02
Dry Creek 13089098	Snake River	NE¼NE¼ sec.18, T.11 S., R.20 E., Twin Falls County.	--	----	5- 2-85	7.90
					5-29-85	5.13
					6-25-85	4.73
					7-24-85	6.20
					8-21-85	17.5
					9-12-85	14.5
		Tributaries between Snake River at Milner and Salmon Falls Creek				
Devils Washbowl Spring 13089600	Snake River	Lat 42°35'18", long 114°20'45", in NE¼NE¼ sec.4, T.10 S., R.18 E., Jerome County, at old abandoned powerplant, about 0.2 mi upstream from mouth on right bank of Snake River, 0.5 mi upstream from Twin Falls powerplant, and 3.5 mi north of Kimberly.	--	1902,1917, 1923-24, 1950-59, 1963-85	5-31-85	22.9
					6-26-85	18.8
					7-30-85	22.8
					8-26-85	26.1
					9-23-85	26.6
					10-28-85	19.6
					12- 4-85	24.0
					1- 3-86	14.8
					2- 6-86	12.2
					3-21-86	13.6
					4-29-86	21.7
					5-29-86	22.1
					6-27-86	19.5
					7-30-86	25.9
					8-26-86	27.0
Irrigation Drain 13089690	.....do....	SW¼SW¼ sec.11, T.10 S., R.18 E., Twin Falls County near Hansen.	--	----	4-30-85	2.35
					5- 2-85	0
					6-25-85	15.5
					7-24-85	11.5
					8-21-85	8.3
					9-12-85	17.7
					5-29-86	12.7
					6-25-86	14.3
					7-15-86	14.0
					8- 5-86	10.8
					8-27-86	15.7
					9-17-86	13.3
3700 East Rd. Drain 13089695	.....do.....	NW¼SW¼ sec.10, T.10 S., R.18 E., Twin Falls County.	--	1985	5-29-86	22.7
					6-25-86	4.40
					7-15-86	15.3
					8- 5-86	6.07
					8-27-86	19.8
					9-17-86	12.5

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Tributaries between Snake River at Milner and Salmon Falls Creek--Continued				
Devils Corral Spring (upper outlet) 13090100	.....do.....	Lat 42°35'38", long 114°21'55", in SE¼SE¼ sec.32, T.9 S., R.18 E., Jerome County, 100 ft above point where flow cascades into right bank of Snake River at mile 617.1, about 2 mi upstream from Shoshone Falls and powerplant, and 4 mi north of Kimberly.	--	1902, 1923-24, 1939, 1950-59, 1963-85	11-15-85 3-20-86	43.2 43.5
Unnamed Spring No. 2 13090350	.....do.....	Lat 42°35'52", long 114°23'55", in NW¼SW¼ sec. 31, T.9 S., R.18 E., Jerome County, on right bank of Snake River just above Shoshone Falls and 4 mi northeast of Twin Falls.	--	1950-59, 1963-85	11-15-85 3-20-86	5.60 4.44
Perrine Coulee 13090480	Snake River	Lat 42°35'30", long 114°28'10", NE¼NW¼ sec.4, T.10 S., R.17 E., Twin Falls County, 0.8 mi upstream from mouth and 2.5 mi north of Twin Falls.	--	1958-59, 1960, 1961, 1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	12.8 13.8 15.8 8.73 24.4 20.2
Blue Lakes Spring Outlet 13091500	.....do.....	Lat 42°36'30", long 114°28'34", in SW¼SW¼ sec. 28, T.9 S., R.17 E., Jerome County, at point of entry to right bank of Snake River, 4 mi north of Twin Falls, and at mile 610.3.	--	1902, 1913-14, 1917-20†, 1921-47, 1950-59, 1963-71, 1973-85	11-14-85 3-17-86	208 198
E. 2700 Road Drain 13091680	.....do.....	NW¼NW¼ sec.31, T.9 S., R.17 E., Twin Falls County.	--	----	5- 2-85 5-30-85 6-26-85 7-25-85 8- 6-86 8-26-86 9-17-86	3.16 8.17 11.6 10.8 7.64 5.06 7.05
Warm Creek 13091700	.....do.....	Lat 42°37'15", long 114°28'55", in NW¼NW¼ sec. 29, T.9 S., R.17 E., Jerome County, 0.6 mi upstream from point of entry to right bank of Snake River, 1.5 mi northwest of Blue Lakes Spring Outlet, and 4.6 mi northwest of Twin Falls.	--	1903,1917, 1931, 1950-59, 1963-71, 1973-85	11-14-85 3-17-86	17.2 18.4
Jerome Golf Course Drain 13091730	.....do....	NW¼NW¼ sec.10, T.9 S., R.17 E., Jerome County.	--	1980, 1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	30.6 15.7 10.6 18.3 30.2 29.4
Sonnickson Butte Drain 13093150	.....do.....	Lat 42°38'30", long 114°33'25", in NE¼NE¼SE¼ sec.15, T.9 S., R.16 E., 5 mi southwest of Jerome.	--	1985	5-29-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	14.7 11.6 19.7 25.3 37.8 40.7
Sucker Flat Irrigation Drain 13093190	.....do.....	Lat 42°37'04", long 114°34'25", in SE¼NE¼SE¼ sec.21, T.9 S., R.16 E., 4 mi northeast of Filer.	--	1985	8-21-85 9-10-85 5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	40.7 49.7 34.4 41.8 42.0 34.6 45.5 50.4
Irrigation Drain 13093335	.....do.....	SE¼NE¼ sec.20, T.9 S., R.16 E., Twin Falls County.	--	1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	10.1 6.05 7.10 6.79 5.07 14.6
Waste No. LS2 13093370	.....do.....	Lat 42°38'10", long 114°37'00", in NE¼NE¼ sec. 19, T.9 S., R.16 E., on south side Snake River, on upstream side of county road bridge, 4.5 mi north of Filer, and 9.5 mi northwest of Twin Falls.	--	1958-59, 1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	8.67 10.1 9.71 11.0 11.8 16.1
Irrigation Drain 13093372	.....do.....	NE¼SE¼ sec.7, T.9 S., R.16 E., Gooding County, at downstream side of road crossing, 6 mi southwest of Jerome.	--	----	5-29-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	7.80 2.90 10.4 3.25 17.9 19.4

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Tributaries between Snake River at Milner and Salmon Falls Creek--Continued				
Crystal Springs 13093400	.....do.....	Lat 42°37'36", long 114°38'32", sec.12, T.9 S., R.15 E., Gooding County, a series of springs along a 0.6 mi reach of the right bank of Snake River, 1 mi upstream from Niagara Springs, and 6.5 mi north of Filer.	--	1902,1917, 1919, 1924-25, 1931, 1950-59, 1963-85	11-14-85 3-19-86	485 451
Irrigation Drain 13093800	.....do.....	SE¼SW¼ sec.16, T.9 S., R.15 E., Twin Falls County, downstream of road crossing.	--	----	6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	1.55 4.47 4.22 5.92 7.31
Irrigation Drain 13093805	.....do.....	SE¼SE¼ sec.16, T.9 S., R.15 E., Twin Falls County, downstream of road crossing.	--	----	5-28-86 8- 5-86 8-26-86 9-17-86	3.41 7.52 4.09 10.8
Northside Drain to Fish Hatchery 13094050	.....do.....	NE¼NE¼ sec.6, T.9 S., R.15 E., Gooding County, at downstream end of culvert.	--	1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-18-86	23.0 13.6 24.4 17.5 18.5 19.6
Clear Lakes Spring Outlet 13094500	.....do.....	Lat 42°40'01", long 114°48'45", in SW¼SE¼ sec. 2, T.9 S., R.14 E., Gooding County, at Clear Lakes powerplant of Idaho Power Co., and 4.5 mi north of Buhl.	--	1902, 1913-14, 1917-21†, 1924,1926, 1937, 1950-59, 1963-85	11-12-85 3-17-86	508 543
Fish Hatchery Drain 13095060	.....do.....	SE¼SE¼ sec.4, T.9 S., R.14 E., Twin Falls County, 80 ft downstream from road crossing.	--	1985	5-28-86 6-24-86 7-15-86 8- 5-86 8-26-86 9-17-86	15.8 18.0 15.0 16.1 18.6 17.9
Briggs Creek 13095200	.....do.....	Lat 42°40'20", long 114°49'00", in NW¼SE¼ sec 4, T.9 S., R.14 E., Gooding County, 500 ft upstream from mouth on right bank of Snake River, 2 mi downstream from Clear Lakes Springs outlet, and 6 mi northwest of Buhl.	--	1902,1913, 1917-20, 1924-25, 1931, 1950-59, 1963-85	11-13-85 3-18-86	105 103
Banbury Springs 13095300	.....do.....	Lat 42°41'31", long 114°49'11", in SE¼NW¼ sec. 33, T.8 S., R.14 E., Gooding County, at outlet on right bank of Snake River and 7 mi northwest of Buhl.	--	1902,1913, 1917, 1919-20, 1924-25, 1950-59, 1963-71, 1973-85	3-18-86	124
Unnamed Spring 13095350	.....do.....	Lat 42°41'51", long 114°49'21", in SE¼SW¼ sec. 28, T.8 S., R.14 E., Gooding County, on right bank of Snake River, 0.4 mi south of Blind Canyon Spring, and 7.5 mi northwest of Buhl.	--	1950-59, 1963-71, 1973-85	11-15-85 3-18-86	6.26 5.01
South Coulee 13095360	.....do.....	Lat 42°41'20", long 114°47'27", in SW¼SW¼NW¼ sec.35, T.8 S., R.14 E., Gooding County, 7 mi southwest of Wendell.	--	1981-81 1985	5-28-86 6-24-86 7-14-86 8- 4-86 8-25-86 9-16-86	27.8 48.8 61.8 68.6 50.2 62.0
Blind Canyon 13095400	.....do.....	Lat 42°42'12", long 114°49'20", in SE¼NW¼ sec 28, T.8 S., R.14 E., Gooding County, at outlet on right bank of Snake River, 0.2 mi upstream from Box Canyon Springs outlet, and 8 mi northwest of Buhl.	--	1902,1917, 1919, 1950-59, 1963-85	3-18-86	11.6
Irrigation Ditch to Blind Canyon 13095490	.....do.....	NE¼NE¼ sec.27, T.8 S., R.14 E., Gooding County, at culvert.	--	1985	5-27-86 6-23-86 7-14-86 8- 4-86 8-25-86 9-16-86	7.62 22.9 27.3 27.9 38.2 41.0
		Mud Lake-Lost River basins				
Great Western Canal Waste 13061300	Snake River	Lat 43°22'58", long 112°10'16", in SW¼SE¼, sec.25, T.1 N., R.36 E., Bingham County, on left bank 2.0 mi northwest of Shelley	--	1985	8-13-85 9-23-85	106 87.1

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
Blackfoot River Basin						
Angus Creek 13062700	Blackfoot River	Lat 42°48'43", long 111°20'13", in center of sec.8, T.7 S., R.44 E., Caribou County, at road crossing, 1.1 mi northeast of Trail guard station, and 11 mi southeast of Henry.	13.9	1964-71, 1974-79	10- 3-85	.90
Blackfoot River 13063000	Snake River	Lat 42°48'00", long 111°30'35", in SE¼NE¼ sec.14, T.7 S., R.42 E., Caribou County, on right bank 70 ft upstream from railroad bridge immediately upstream from the Monsanto Chemical Company "Haul Road", 5 mi upstream from Blackfoot Reservoir, 6 mi south of Henry, and 11 mi north of Soda Springs.	350	1914-1925†, 1967-1982†	10- 3-85	89.4
Mud Lake-Lost River basins						
Big Lost River 13132580	Snake River	Lat 43°47'48", long 112°50'58", in NW¼NW¼ sec.2, T.5 N., R.30 E., Butte County, between Big Lost River Sinks Playa No 1 and Playa No 2 and 8.2 mi southeast of Howe.	--	1984-85†	11- 6-85 5-18-86 6- 2-86 6-20-86 7- 7-86 9-25-86	2.11 1.37 18.0 91.2 49.2 11.0
Big Lost River 13132590	.....do.....	Lat 43°48'15", long 112°48'57", in NE¼SE¼ sec.36, T.6 N., R.30 E., Butte County above Big Lost River Playa No 3 at State Highway 33 crossing and 10 mi southeast of Howe.	--	----	6-20-86 7- 1-86 9-25-86	30.0 26.5 8.55
Tributaries to Snake River from Thousand Springs to Malad River						
Sand Springs Creek 13132600	Snake River	Lat 42°43'36", long 114°50'00", in SE¼ sec.17, T.8 S., R.14 E., Gooding County, on right bank of Snake River, 0.5 mi upstream from mouth, and 7 mi southeast of Hagerman.	--	1902, 1912-13, 1917-21, 1924-25, 1932, 1954-59, 1963-85	11-12-85 3-18-86	83.5 86.4
Sand Springs Creek Drain 13132610	.....do.....	Lat 42°43'51", long 114°49'48", in NW¼NW¼SW¼ sec.16, T.8 S., R.14 E., Gooding County, at road crossing 7 mi southeast of Hagerman.	--	1980-81 1985	3-18-86 5-27-86 6-23-86 7-14-86 8- 4-86 8-25-86 9-16-86	.78 9.93 5.85 12.9 7.21 7.93 12.4
Thousand Springs 13132800	.....do.....	Lat 42°45', long 114°51'. Springs enter right bank of Snake River between mile 585.5 near line between secs.17 and 20, T.8 S., R.14 E., and mile 583.0, about 200 ft upstream from line between sec.1, T.8 S., R.13 E., and sec.6, T.8 S., R.14 E., Gooding County, 6 mi southwest of Hagerman.	--	1950-59, 1963-71, 1973-85	11-13-85 3-18-86	1,320 953
Irrigation Drain near Bickel Spring 13133785	.....do.....	NW¼SW¼ sec.5, T.8 S., R.14 E., Gooding County, at downstream end of culvert.	--	1985	5-27-86 6-23-86 7-14-86 8- 4-86 8-25-86 9-16-86	10.8 11.6 16.4 4.17 14.3 42.1
Riley Creek 13133800	.....do.....	Lat 42°45'46", long 114°51'31", in SE¼NE¼ sec.6, T.8 S., R.14 E., Gooding County, at Hagerman Hatchery of U.S. Fish & Wildlife Service, 100 ft downstream from small unnamed spring entering from right, 280 ft upstream from discontinued station below Lewis Spring, 300 ft downstream from mouth of Lewis Creek, about 2 mi upstream from mouth, and 4.2 mi southeast of Hagerman.	--	1950-59, 1963-85	11-14-85 3-18-86	72.2 72.2
Billingsley Creek 13134600	.....do.....	Lat 42°46'35", long 114°50'55", in SW¼SW¼NW¼ sec.32, T.7 S., R.14 E., Gooding County, 0.1 mi downstream from head of creek, 3.8 mi southeast of Hagerman, and about 7.5 mi upstream from mouth.	--	1902, 1917,1931, 1950-59, 1963-85	11-12-85 3-19-86	57.6 37.4
Birch Creek 13135100	.....do.....	Lat 42°51'10", long 114°53'30", in SE¼SE¼ sec.34, T.6 S., R.13 E., Gooding County, just downstream from left bank tributary, 0.5 mi upstream from entry to right bank of Snake River, 0.8 mi south of Malad River, and 2.5 mi north of Hagerman.	--	1917,1919, 1950-59, 1963-85	11-15-85 3-19-86	9.90 9.53
Big Wood River basin						
Big Wood River 13135850	Snake River	SW¼SW¼SE¼ sec.1, T.4 N., R.17 E., Blaine County, just below Adams Gulch, and 1.6 mi northwest of Ketchum.	--	----	8-12-86	181

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Big Wood River basin--Continued				
Warm Springs Creek 13136300	Big Wood River	NW¼SE¼NW¼ sec.21, T.4 N., R.17 E., Sawtooth National Forest, Blaine County, at road bridge, 5 mi upstream from mouth, and 3.5 mi west of Ketchum.	90	----	2- 6-86	30.2
					3-12-86	65.6
					4- 8-86	174
					5- 7-86	265
					6-10-86	321
					7- 9-86	96.8
					8-11-86	47.2
					9- 9-86	42.7
Trail Creek 13137500	.....do..... River	Lat 43°40', long 114°22' in SE¼NW¼SW¼ sec.18, T.4 N., R.18 E., Blaine County, at Highway 93 bridge, 0.8 mi upstream from mouth, .25 mi southeast of Highway 93 and 75 Junction in Ketchum.	67	1920-21d, 1977	2- 6-86	20.2
					3-12-86	30.5
					4- 8-86	66.7
					5- 7-86	106
					6-11-86	329
					7-10-86	89.6
					8-11-86	26.2
					9- 8-86	16.0
Big Wood River 13137604	Snake River	SE¼NE¼SE¼ sec.7, T.3 N., R.18 E., Blaine County .1 mi above East Fork, at Gimlet, and 8 mi northwest of Haily.	--	----	8-12-86	309
East Fork Big Wood River 13138000	Big Wood River	Lat 43°38', long 114°21', in NE¼SE¼SE¼ sec.8, T.3 N., R.18 E., 0.8 mi upstream from mouth, and 6 mi north of Hailey.	84	1920-21d, 1977	2- 6-86	11.4
					3-12-86	32.4
					4- 8-86	97.9
					5- 7-86	141
					6-10-86	271
					7- 9-86	108
					8-11-86	44.8
					9- 8-86	33.9
Big Wood River 13139560	Snake River	NW¼NW¼SE¼ sec.22, T.2 N., R.18 E., Blaine County at Broadford road crossing, 2.5 mi south of Hailey.	--	----	8-13-86	308
Big Wood River 13140500	.....do.....	N½NE¼NW¼ sec.13, T.1 N., R.18 E., Blaine County, at Glendale road crossing, 2.5 mi south of Bellevue.	--	----	8-14-86	.67
		Malad River basin				
Drain to Malad River 13152895	Malad River	Lat 42°51'51", long 114°51'54", in NE¼NW¼NW¼ sec.36, T.6 S., R.13 E., Gooding County, at upstream end of culvert in Malad Park.	--	1985	5-27-86	11.5
					6-23-86	18.0
					7-14-86	20.0
					8- 4-86	17.3
					8-25-86	26.5
					9-16-86	37.0
		Snake River basin				
Irrigation Ditch 13153776	Snake River	NW¼SE¼ sec.2, T.6 S., R.12 E., Gooding County.	--	1985	5-27-86	5.40
					6-23-86	9.35
					7-14-86	12.3
					8- 4-86	9.21
					8-25-86	11.8
					9-16-86	8.53
		King Hill Creek basin				
King Hill Creek 13155000	Snake River	Lat 42°58'31", long 115°13'55", in NW¼SW¼NE¼ sec.14, T.5 S., R.10 E., Elmore County, 1.7 mi west of King Hill at Highway 30 crossing.	78.9	1913†, 1938-41†, 1955-56, 1963, 1977	5-27-86	16.4
					6-23-86	7.53
					7-14-86	5.74
					8- 4-86	3.77
					8-25-86	4.36
					9-16-86	5.06
		Snake River basin				
Canyon Creek 13161057	Snake River	Lat 43°01'31", long 115°57'58", in NW¼NW¼NE¼ sec.3, T.5 S., R.4 E., Elmore County, Hydrologic Unit 17050101, and 15 mi southwest of Mountain Home.	--	1983	2-23-86	4,800e
		Bruneau River basin				
Bruneau River 13162050	Snake River	Lat 42°20', long 115°38', in NE¼ sec.5, T.13 S., R.7 E., Owyhee County, Hydrologic Unit 17050102, 200 ft upstream from mouth, and 12.5 mi east of Grasmere.	--	1962-64	8- 7-86	29.5
Jarbidge River 13162670	Bruneau River	Lat 42°20', long 115°41', in NW¼NW¼ sec.4, T.13 S., R.7 E., Owyhee County, Hydrologic Unit 17050102, 500 ft upstream from mouth, and 12.8 mi east of Grasmere.	--	1961, 1963-66	8- 7-86	36.5

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water year)	Measurements	
					Date	Discharge (ft³/s)
		Bruneau River basin--Continued				
Indian Hot Springs 13162750	.....do.....	Lat 42°20', long 115°39', in sec.33, T.12 S., R.7 E., Owyhee County, Hydrologic Unit 17050102, 12 mi east of Grasmere.	--	1953-54, 1961-86	8- 7-86	4.48
		Wickahoney Creek basin				
Westside Canal 13170244	Diversion from Wickahoney Creek	SE¼SW¼ sec.8, T.6 S., R.5 E., Owyhee County, just above C.J. Strike Reservoir, 6 mi northwest of Bruneau.	--	----	5-30-86	0.62
					6-25-86	4.05
					7-16-86	4.44
					8- 6-86	4.52
					8-27-86	1.97
					9-18-86	2.42
Wickahoney Creek 13170250	Snake River	SW¼SW¼ sec.16, T.6 S., R.5 E., Owyhee County, at Highway 78 crossing, 4 mi northwest of Bruneau.	--	----	5-29-86	15.2
					6-25-86	9.88
					7-16-86	13.2
					8- 6-86	10.8
					8-27-86	10.4
					9-18-83	28.8
		Snake River basin				
Grand View Realty Canal 13170800	Snake River	Lat 42°58'03", long 115°57'05", in SW¼NE¼SW¼ sec.2, T.6 S., R.4 E., Owyhee County, Hydrologic Unit 17050102, 1.7 mi southeast of C.J. Strike Dam and about 10 mi northwest of Bruneau.	--	1985	10- 9-85	10.6
					4-28-86	30.5
					6-13-86	36.3
					7-17-86	20.8
					8-19-86	37.8
					9-23-86	27.0
Drain to C.J. Strike Res. 13170860	.....do.....	NE¼SW¼ sec.3, T.6 S., R.4 E., Owyhee County, 50 ft upstream from culvert at road crossing.	--	1985	5-29-86	3.98
					6-25-86	1.06
					7-16-86	9.92
					8- 6-86	8.06
					8-27-86	9.89
					9-18-86	11.5
		Snake River basin				
Grand View Mutual Canal above Grand View Irrig. Dist. pumps 13171340	Diversion from Snake River	Lat 42°58'55", long 116°05'19", in SE¼NE¼NW¼ sec.22, T.5 S., R.3 E., Owyhee County, Hydrologic Unit 17050103, 0.6 mi southeast of Grand View.	--	----	7-16-85	82.2
					7-19-85	81.3
					8-15-85	83.3
					9-11-85	47.8
					10-10-85	48.4
					4-14-86	48.7
					5-21-86	70.4
					6- 9-86	65.4
					7-16-86	87.4
					7-16-86	81.2
					8-20-86	89.2
					8-28-86	92.8
					9-22-86	52.2
Grand View Mutal Canal below Grand View Irrig. Dist. pumps 13171345	.....do.....	Lat 42°58'51", long 116°05'42", in NW¼NW¼ sec.22, T.5 S., R.3 E., Owyhee County, Hydrologic Unit 17050103, 0.6 mi south of Grand View.	--	----	7-16-85	88.6
					7-19-85	93.7
					8-15-85	103
					9-11-85	49.7
					10-10-85	48.7
					4-14-86	56.4
					5-21-86	66.6
					6- 9-86	77.0
					7-16-86	91.0
					7-16-86	92.7
					8-20-86	96.6
					8-20-86	104
					8-28-86	92.2
					9-22-86	51.2
		Shoofly Creek basin				
Shoofly Creek 13171720	Snake River	Lat 42°57'41", long 116°02'35", in NE¼NW¼SE¼ sec.25, T.5 S., R.3 E., Owyhee County, 2.8 mi southeast of Grand View.	--	1980, 1985	5-30-86	8.50
					6-25-86	10.5
					7-16-86	7.0
					8- 8-86	10.6
					8-28-86	17.5
					9-18-86	13.1
		Snake River basin				
Upper Grand View Irr. Dist. Pump 13171750	Diversion from Snake River	Lat 42°58'00", long 116°05'09", in SW¼SW¼SE¼ sec.15, T.5 S., R.3 E., Owyhee County, Hydrologic Unit 17050103, about 6.5 mi southwest of Grand View.	--	1985	4-14-86	7.7
					6- 9-86	11.6
					7-16-86	3.6
					7-16-86	11.5
					8-20-86	14.8
White Glove Farms pumping plant 13171752	.....do.....	SW¼SE¼ sec.15, T.5 S., R.3 E., Owyhee County, Hydrologic Unit 17050103, on left bank Snake River, 0.3 mi upstream from Grand View.	--	----	7-17-86	20.0

DISCHARGE AT MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water year)	Measurements Date	Measurements Discharge (ft³/s)
Snake River basin--Continued						
Drain East of Grand View Cem. 13171790	Snake River	NW¼SW¼ sec.15, T.5 S., R.3 E., Owyhee County.	--	1985	5-29-86 6-25-86 7-16-86 8- 6-86 8-28-86 9-18-86	5.65 6.91 3.81 3.82 8.21 3.91
Boise River basin						
Robie Creek 13200500	Mores Creek	Lat 43°37'40", long 115°50'55", in NE¼ sec.5, T.3 N., R.4 E., Boise County, at mile 0.5, and 5 mi northwest of Arrowrock Dam.	15.8	1950-71†, 1973, 1975-77	2-16-86	900f
Weiser River basin						
Middle Fork Weiser River 13256800	Weiser River	Lat 44°38'43", long 116°22' 23" in SE¼SE¼SE¼ sec.7, T.15N., R.1E., Adams County, Hydrologic Unit 17050124, on right bank 200 ft upstream from mouth of Fall Creek at bridge crossing, and 6.5 miles south east of Council.	59.2	----	11- 4-85 12-13-85 3- 4-86 4- 8-86 5-12-86 6- 5-86 8-28-86	47.7 34.0 221 350 265 500 29.1
Salmon River basin						
Pahsimeroi River at footbridge 13301970	Salmon River	SE¼NW¼NW¼ sec.8, T.15 N., R.21 E., on Custer-Lemhi County line, Hydrologic Unit 17060202, 1 mi southeast of Burstedt Lane and 3.5 mi southeast of Ellis.	--	-----	5-20-86 5-21-86	78.3 76.8
Transmountain diversion 13312300	Johnson Creek	Lat 44°32'30", long 115°34'00", in NE¼ sec.23, T.14 N., R.7 E., Valley County, Boise National Forest, about 0.5 mi downstream from point of transmountain Johnson Creek-Deadwood River diversion, 9 mi south of Landmark Ranger Station, and 11 mi southeast of Knox.	--	1937-41, 1951-52, 1954-65, 1967,1969, 1971,1976, 1978-85	7-15-86	6.11
Clearwater River basin						
SF Red River 133371[illegible]	Red River	Lat 45°42'28", long 115°20'36", in SW¼NW¼ sec.4, T.27 N., R.9 E., Idaho County, Hydrologic Unit 17060305, on left bank 950 ft upstream of bridge at Red River Ranger Station and 1200 ft upstream from Red River, and 9.2 mi southeast of Elk City.	--	1984	8-13-86	8.49
Red River 13337180	SF Clearwater River	Lat 45°42'13", long 115°20'44", NW¼NW¼ sec.5, T.27 N., R.9 E., Idaho County, Hydrologic Unit 17060305, on right bank 10 ft south of Red River road 600 ft downstream from SF Red River, and 9 mi south of Elk City.	--	1984	8-19-86	19.5
Crooked River 13337510	.....do.....	Lat 45°42'57", long 115°20'21", in NW¼SE¼ sec.31, T.28 N., R.7 E., Idaho County, Hydrologic Unit 17060305, on left bank 300 ft southeast of Crooked River road, 400 ft upstream from Five Mile Creek, 0.75 mi north of Orogrande, 16 mi southwest of Elk City.	--	1984	8-13-86	15.6
Crooked River 13337520	.....do.....	Lat 45°49'10", long 115°31'37", in SW¼NW¼ sec.25, T.29 N., R.7 E., Idaho County, Hydrologic Unit 17060305, on right bank 600 ft west of Crooked River road, 1000 ft upstream from SF Clearwater River and 5.5 mi west of Elk City.	--	1984	8-13-86	20.9
Sousie Creek 13340612	Beaver Creek	Lat 46°47'57", long 115°39'13", in SE¼SE¼NW¼ sec.24, T.40 N., R.6 E., Clearwater County, 16 ft upstream from road about 500 ft upstream from mouth, at Sousie Creek trailer dump station, 4.2 mi southwest of Canyon Ranger Station, and 14 mi northeast of Headquarters.	1.77	1983-85	11- 2-85 1-28-86 3-20-86 4- 5-86 5-28-86 7-17-86 9-11-86	3.40 3.70 7.69 8.21 7.63 2.80 2.24
Snake Creek 13340859	Reeds Creek	Lat 46°36'20", long 115°56'29", in NW¼NE¼SW¼ sec.27, T.38 N., R.4 E., Clearwater County, 100 ft downstream from Gold Creek, 1 mi upstream from Reeds Creek, 6 mi west of Headquarters, and 6.2 mi northwest of Hollywood.	18.1	1983-85	11- 2-85 1-29-86 3-20-86 4-20-86 5-28-86 7-17-86 9-11-86	16.7 34.7 62.5 26.9 14.0 6.86 3.34

DISCHARGE AT MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water year)	Measurements	
					Date	Discharge (ft^3/s)
		Clearwater River basin--Continued				
Twenty-One Ranch Spring 13342200	West Fork Sweetwater Creek	Lat 46°13'40", long 116°51'06", in SW¼NW¼SW¼ sec.4, T.33 N., R.4 W., Nez Perce County, Waha Quadrangle, Hydrologic Unit 17060306, at spring shelter, 1 mi north of Waha, 1.5 mi northwest of Waha Lake, 1.6 mi upstream from confluence with West Fork Sweetwater Creek, 10.5 mi southeast of Lewiston Orchards.	--	1958-60, 1977 1985	10-27-85	2.19
					11-30-85	2.23
					1- 8-86	2.42
					2-22-86	2.87
					3-22-86	3.93
					4-26-86	4.78
					5-17-86	5.24
					6- 4-86	4.98
					7-15-86	6.93
					8-14-86	3.95
					9-12-86	5.13

Operated as a continuous-record gaging station
a Approximately
b Operated as a crest-stage station
c Measured by U.S. Forest Service
d Daily staff gage readings
e Slope-area computation
f From rating curve extended above 300 ft^3/s

ANALYSES OF SAMPLES COLLECTED AT WATER QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Water quality partial-record stations and miscellaneous sites are locations where chemical-quality, biological, or sediment data are collected once only, intermittently, or systematically but at limited frequency over a period of years for use in hydrologic analyses.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM
PORTNEUF RIVER BASIN											
13075983 SPRING CR AT SHEEPSKIN RD NR FORT HALL, ID (LAT 43 02 36N LONG 112 33 15W)											
MAR 1986 28...	1200	380	498	8.30	16.0	12.0	200	56	15	20	17
SNAKE RIVER BASIN											
13076600 REUGER SPRINGS NEAR AMERICAN FALLS, ID (LAT 42 46 00N LONG 112 52 55W)											
MAR 1986 27...	1700	17	680	7.80	14.5	14.0	230	59	21	40	27
SNAKE RIVER MAIN STEM											
13088000 SNAKE RIVER AT MILNER, ID (LAT 42 31 41N LONG 114 01 04W)											
MAY 1986 21...	0915	--	391	8.70	--	13.0	170	46	13	15	16
BLUE LAKES SPRING BASIN											
13091000 09S 17E 28DBA1S BLUE LAKES SPR NR TWIN FALLS, ID (LAT 42 36 53N LONG 114 28 06W)											
NOV 1985 25...	1340	200	646	7.70	-4.0	15.0	230	58	21	38	26
TRIBUTARIES BETWEEN SNAKE RIVER AT MILNER AND SALMON FALLS CREEK											
13093386 CRYSTAL SPRINGS OUTLET NO. 11 NEAR BUHL, ID (LAT 42 39 39N LONG 114 38 50W)											
NOV 1985 13...	1535	--	698	8.40	2.0	14.0	280	65	29	30	23
13095175 08S 14E 03CBA1S BRIGGS CR AT HEAD NR BUHL, ID (LAT 42 40 26N LONG 114 48 30W)											
NOV 1985 13...	0950	105	464	8.10	0.0	14.0	180	44	19	23	21
BOX CANYON SPRINGS BASIN											
13095500 BOX CANYON SPR NR WENDELL, ID (LAT 42 42 25N LONG 114 48 45W)											
NOV 1985 25...	1100	401	422	7.50	-3.0	15.0	170	39	17	21	21
MUD LAKE - LOST RIVER BASINS											
13127000 BIG LOST RIVER BL MACKAY RESERVOIR, ID (LAT 43 56 20N LONG 113 38 50W)											
NOV 1985 04...	1545	--	296	8.70	8.0	7.0	150	40	11	6.0	8
13127700 BIG LOST RIVER AT MACKAY, ID (LAT 43 53 11N LONG 113 36 58W)											
NOV 1985 05...	0845	--	289	8.30	0.0	4.0	150	42	11	6.0	8
13127780 BIG LOST RIVER AT ALDER CR RD BRIDGE NR MACKAY, ID (LAT 43 53 14N LONG 113 34 38W)											
NOV 1985 05...	1015	--	314	8.30	1.0	4.0	180	44	11	6.1	8
13130200 BIG LOST RIVER BL ALDER CR NR MACKAY, ID (LAT 43 52 14N LONG 113 30 41W)											
NOV 1985 05...	1130	--	329	7.70	5.5	5.5	180	53	12	7.0	8
13130300 BIG LOST RIVER NR LESLIE, ID (LAT 43 51 34N LONG 113 27 57W)											
NOV 1985 05...	1400	--	348	8.30	7.0	6.0	180	51	12	7.0	8
13130847 BIG LOST R AT DARLINGTON RD CROSS. NR DARLINGTON, ID (LAT 43 48 48N LONG 113 23 32W)											
NOV 1985 05...	1515	--	352	8.30	11.0	7.5	170	50	12	6.4	7

ANALYSES OF SAMPLES COLLECTED AT WATER QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
PORTNEUF RIVER BASIN--Continued										
13075983 SPRING CR AT SHEEPSKIN RD NR FORT HALL, ID (LAT 43 02 36N LONG 112 33 15W)										
MAR 1986										
28...	0.6	3.1	203	43	20	0.80	22	300	0.050	0.010
SNAKE RIVER BASIN--Continued										
13076800 REUGER SPRINGS NEAR AMERICAN FALLS, ID (LAT 42 46 00N LONG 112 52 55W)										
MAR 1986										
27...	1	5.1	215	68	50	0.50	34	410	0.940	0.020
SNAKE RIVER MAIN STEM--Continued										
13088000 SNAKE RIVER AT MILNER, ID (LAT 42 31 41N LONG 114 01 04W)										
MAY 1986										
21...	0.5	2.6	160	36	13	0.50	11	250	<0.100	0.030
BLUE LAKES SPRING BASIN--Continued										
13091000 09S 17E 28DBA1S BLUE LAKES SPR NR TWIN FALLS, ID (LAT 42 36 53N LONG 114 28 06W)										
NOV 1985										
25...	1	6.0	--	59	52	0.40	39	380	2.00	0.020
TRIBUTARIES BETWEEN SNAKE RIVER AT MILNER AND SALMON FALLS CREEK--Continued										
13093396 CRYSTAL SPRINGS OUTLET NO. 11 NEAR BUHL, ID (LAT 42 39 39N LONG 114 38 50W)										
NOV 1985										
13...	1	4.8	--	63	50	0.50	40	430	2.90	<0.010
13095175 09S 14E 03CBA1S BRIGGS CR AT HEAD NR BUHL, ID (LAT 42 40 26N LONG 114 48 30W)										
NOV 1985										
13...	0.8	3.4	--	41	29	0.60	34	280	1.50	<0.010
BOX CANYON SPRINGS--Continued										
13095500 BOX CANYON SPR NR WENDELL, ID (LAT 42 42 25N LONG 114 48 45W)										
NOV 1985										
25...	0.7	3.2	--	35	22	0.60	33	260	1.00	0.010
MUD LAKE - LOST RIVER BASINS--Continued										
13127000 BIG LOST RIVER BL MACKAY RESERVOIR, ID (LAT 43 56 20N LONG 113 38 50W)										
NOV 1985										
04...	0.2	1.1	--	16	4.7	0.30	11	190	<0.100	0.010
13127700 BIG LOST RIVER AT MACKAY, ID (LAT 43 53 11N LONG 113 36 58W)										
NOV 1985										
05...	0.2	1.0	145	14	4.7	0.30	10	180	<0.100	<0.010
13127780 BIG LOST RIVER AT ALDER CR RD BRIDGE NR MACKAY, ID (LAT 43 53 14N LONG 113 34 39W)										
NOV 1985										
05...	0.2	1.1	150	15	4.8	0.30	10	180	<0.100	<0.010
13130200 BIG LOST RIVER BL ALDER CR NR MACKAY, ID (LAT 43 52 14N LONG 113 30 41W)										
NOV 1985										
05...	0.2	1.2	161	14	5.2	0.30	12	200	0.130	<0.010
13130300 BIG LOST RIVER NR LESLIE, ID (LAT 43 51 34N LONG 113 27 57W)										
NOV 1985										
05...	0.2	1.1	166	14	5.3	0.30	12	200	0.120	<0.010
13130847 BIG LOST R AT DARLINGTON RD CROSS. NR DARLINGTON, ID (LAT 43 48 48N LONG 113 23 32W)										
NOV 1985										
05...	0.2	1.2	171	14	5.3	0.30	12	200	0.180	<0.010

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM
MUD LAKE - LOST RIVER BASINS--Continued											
13132050 BIG LOST RIVER AB MOORE DIVERSION NR MOORE, ID (LAT 43 47 12N LONG 113 21 29W)											
NOV 1985											
05...	1700	--	389	8.10	2.5	8.0	190	54	14	8.0	8
13132150 BIG LOST RIVER AT MOORE, ID (LAT 43 43 45N LONG 113 21 31W)											
NOV 1985											
06...	0915	--	382	8.30	0.0	2.5	200	55	14	8.0	8
13132310 BIG LOST RIVER AB ARCO, ID (LAT 43 40 54N LONG 113 21 58W)											
NOV 1985											
06...	1100	--	385	8.40	6.5	1.5	200	55	15	8.0	8
13132375 BIG LOST RIVER AT ARCO, ID (LAT 43 37 26N LONG 113 18 40W)											
NOV 1985											
06...	1330	--	424	8.20	6.5	7.5	210	61	14	8.3	8
13132500 BIG LOST RIVER NR ARCO, ID (LAT 43 35 00N LONG 113 16 10W)											
NOV 1985											
06...	1445	--	453	8.30	6.0	7.0	220	63	15	9.2	8
TRIBUTARIES TO SNAKE RIVER FROM THOUSAND SPRINGS TO MALAD RIVER--Continued											
13132595 08S 14E 21ABA1S SAND SPRING NR HAGERMAN, ID (LAT 42 43 28N LONG 114 49 00W)											
NOV 1985											
12...	1530	84	411	7.90	-2.0	14.5	170	37	18	21	21

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MUD LAKE - LOST RIVER BASINS--Continued

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
13132050 BIG LOST RIVER AB MOORE DIVERSION NR MOORE, ID (LAT 43 47 12N LONG 113 21 29W)										
NOV 1985										
05...	0.3	1.3	186	14	6.1	0.20	13	220	0.600	<0.010
13132150 BIG LOST RIVER AT MOORE, ID (LAT 43 43 45N LONG 113 21 31W)										
NOV 1985										
06...	0.3	1.3	187	14	6.4	0.20	12	220	0.450	<0.010
13132310 BIG LOST RIVER AB ARCO, ID (LAT 43 40 54N LONG 113 21 58W)										
NOV 1985										
06...	0.3	1.4	184	15	6.2	0.30	12	230	0.380	0.010
13132375 BIG LOST RIVER AT ARCO, ID (LAT 43 37 26N LONG 113 18 40W)										
NOV 1985										
06...	0.3	1.4	199	15	6.1	0.30	13	240	0.390	<0.010
13132500 BIG LOST RIVER NR ARCO, ID (LAT 43 35 00N LONG 113 16 10W)										
NOV 1985										
06...	0.3	1.6	204	16	8.5	0.30	13	250	0.370	<0.010

TRIBUTARIES TO SNAKE RIVER FROM THOUSAND SPRINGS TO MALAD RIVER--Continued

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
13132595 08S 14E 21ABA1S SAND SPRING NR HAGERMAN, ID (LAT 42 43 28N LONG 114 49 00W)										
NOV 1985										
12...	0.7	3.2	--	30	16	0.50	34	250	1.10	0.020

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

KOOTENAI RIVER BASIN

12305000 KOOTENAI RIVER AT LEONIA, ID (LAT 48 37 04N LONG 116 02 47W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAR 1986				
02...	0915	15700	156	10.5	05...	1000	11300	205	3.0
DEC					JUL				
11...	1025	5080	197	1.5	21...	1040	20400	209	13.5
JAN 1986									
03...	0910	20400	248	3.0					

12306500 MOYIE RIVER AT EASTPORT, ID (LAT 48 59 58N LONG 116 10 43W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAR 1986				
01...	1320	1220	59	5.0	03...	1045	647	51	1.0
JAN 1986					JUL				
02...	1044	147	49	0.0	22...	0930	192	40	16.0
FEB					AUG				
03...	1100	152	45	1.0	26...	1305	60	44	19.0

12321500 BOUNDARY CREEK NR PORTHILL, ID (LAT 48 59 50N LONG 116 34 05W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
01...	1030	38	45	5.0	30...	1050	941	15	8.0
DEC					JUL				
16...	1145	71	32	0.0	03...	1330	109	39	15.5
JAN 1986					AUG				
02...	1220	46	42	0.5	26...	1115	27	47	14.0
APR									
28...	1045	430	48	4.5					

PEND OREILLE RIVER BASIN

12392895 BLANCHARD CR AB RES NR BLANCHARD, ID (LAT 47 59 58N LONG 117 01 51W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
FEB 1986					JUN 1986				
06...	1200	12	69	1.5	05...	1240	18	41	5.0
MAR					JUL				
11...	1130	61	42	3.0	31...	1340	1.3	76	18.0

12394000 PRIEST R NR COOLIN, ID (LAT 48 27 07N LONG 116 53 58W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
19...	1130	956	46	5.0	09...	1110	2570	46	15.0
JAN 1986					AUG				
27...	1250	510	69	3.0	01...	1135	402	48	20.0

12395000 PRIEST RIVER NEAR PRIEST RIVER, ID (LAT 48 12 31N LONG 116 54 49W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
19...	0840	1160	37	3.0	09...	1410	2560	50	15.0
FEB 1986					AUG				
06...	0900	728	63	2.0	01...	0930	560	81	17.5

12395500 PEND OREILLE RIVER AT NEWPORT, WA (LAT 48 11 00N LONG 117 02 00W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
21...	0840	29400	150	4.0	10...	1215	52800	137	16.5
JAN 1986					JUL				
24...	1215	18100	212	2.5	31...	1215	9820	207	21.0

SPOKANE RIVER BASIN

12411000 COEUR D'ALENE R AB SHOSHONE CK NR PRICHARD, ID (LAT 47 42 30N LONG 115 58 35

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
17...	1100	108	62	7.0	22...	1345	1060	44	8.5
DEC					JUL				
20...	1030	136	32	0.5	24...	1045	125	64	18.0
MAR 1986									
10...	1400	2830	34	4.5					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SPOKANE RIVER BASIN--Continued

12413000 COEUR D'ALENE RIVER AT ENAVILLE, ID (LAT 47 34 20N LONG 116 15 10W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAR 1986				
17...	1300	300	54	10.0	13...	0800	5310	37	6.0
DEC					JUL				
20...	1240	380	41	2.0	24...	0822	389	53	15.5

12413140 PLACER CREEK AT WALLACE, ID (LAT 47 27 50N LONG 115 56 10W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAR 1986				
17...	1105	3.1	98	8.0	12...	1130	91	72	5.0
DEC					MAY				
19...	1415	7.9	77	0.5	22...	1600	80	58	6.0
FEB 1986					JUL				
20...	1315	33	63	1.5	24...	1355	6.1	97	14.0

12413150 SOUTH FORK COEUR D'ALENE RIVER AT SILVERTON, ID (LAT 47 29 29N LONG 115 57 12)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAR 1986				
17...	1290	63	146	7.5	12...	1330	570	95	5.5
DEC					MAY				
19...	1500	85	145	1.0	22...	1620	669	64	6.0
FEB 1986					JUL				
20...	1435	175	154	1.0	24...	1555	80	169	19.5

12414195 BOULDER CREEK NR CALDER, ID (LAT 47 13 36N LONG 116 01 05W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
19...	0955	8.2	26	3.5	11...	1650	32	15	13.0
DEC									
07...	1140	13	22	1.0					

12414200 MARBLE CR NR CALDER, ID (LAT 47 13 38N LONG 116 01 09W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
19...	0742	72	24	3.5	30...	1015	1260	55	7.5
DEC					JUN				
07...	0820	160	19	0.0	11...	1830	382	15	16.0
FEB 1986					AUG				
21...	1255	269	21	1.5	05...	1710	83	24	20.0
MAR									
25...	1216	553	20	4.5					

12414500 ST JOE RIVER AT CALDER, ID (LAT 47 16 30N LONG 116 11 15W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					AUG 1986				
19...	1245	459	60	5.5	05...	1420	485	63	23.0
JUN 1986									
11...	1445	2450	43	16.5					

12414900 ST. MARIES RIVER NEAR SANTA, ID (LAT 47 10 35N LONG 116 29 30W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
19...	1530	65	53	6.0	12...	0910	155	43	15.0
DEC					AUG				
19...	1045	56	40	0.0	05...	1145	51	58	20.0
FEB 1986									
21...	1000	444	37	0.5					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SPOKANE RIVER BASIN--Continued

12415350 WOLF LODGE CREEK NEAR COEUR D'ALENE, ID (LAT 47 28 20N LONG 116 37 00W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
DEC 1985					JUN 1986				
17...	1415	8.1	29	0.5	04...	1305	352	24	12.5
FEB 1986					23...	1200	15	23	15.5
12...	1220	48	40	3.0	JUL				
MAR					25...	0740	9.1	26	12.0
07...	1000	220	19	5.0	AUG				
10...	1000	249	19	4.5	21...	1305	5.2	30	16.5
					SEP				
					23...	1550	5.2	30	11.0

12418000 RATHDRUM PRAIRIE CANAL NEAR HUETTER, ID (LAT 47 42 36N LONG 116 52 16W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
MAY 1986					JUL 1986				
23...	1510	20	52	10.0	22...	1134	41	51	20.5
JUN					AUG				
24...	1400	43	50	21.0	21...	1154	41	52	23.0

12419000 SPOKANE RIVER NEAR POST FALLS, ID (LAT 47 42 11N LONG 116 58 37W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUL 1986				
25...	1110	3020	52	10.0	02...	1345	457	139	22.0
DEC					AUG				
26...	1245	2220	55	2.0	21...	1430	453	50	25.0
MAY 1986					SEP				
23...	1335	12600	51	10.0	24...	1000	2040	52	16.0
JUN									
24...	1200	1620	48	20.0					

SNAKE RIVER MAIN STEM

13010200 SNAKE RIVER AB JACKSON LAKE AT FLAGG RANCH, WY (LAT 44 05 21N LONG 110 41 38W

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
01...	1100	333	254	4.0	13...	1620	947	191	6.0
DEC					20...	1315	5800	112	10.0
17...	0815	372	276	1.5	JUN				
FEB 1986					03...	1350	7240	103	6.0
18...	1445	538	223	0.0	19...	1112	4670	97	6.0
APR					JUL				
15...	1355	668	210	7.0	15...	1530	1190	158	15.0
					AUG				
					19...	1115	560	201	15.0

13011000 SNAKE RIVER NEAR MORAN, WY (LAT 43 51 31N LONG 110 35 09W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1345	545	146	10.0	13...	1120	3700	166	4.0
DEC					JUN				
17...	1115	689	175	1.0	19...	1548	3560	159	14.0
FEB 1986					JUL				
19...	1925	638	177	2.0	15...	1350	3020	140	15.0
APR					AUG				
15...	1556	2470	167	3.0	19...	1249	2460	134	18.0

PACIFIC CREEK BASIN

13011500 PACIFIC CREEK AT MORAN, WY (LAT 43 51 04N LONG 110 30 50W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1215	65	206	4.0	13...	0945	394	188	3.0
DEC					29...	1010	2270	136	4.5
17...	1555	52	228	0.0	JUN				
FEB 1986					03...	1230	2920	120	7.0
20...	1330	23	242	0.0	19...	1919	1540	115	13.0
MAR					JUL				
17...	1700	73	432	5.0	15...	1135	327	150	12.0
APR					AUG				
15...	1105	247	182	3.5	19...	1145	86	205	13.0

BUFFALO FORK BASIN

13011900 BUFFALO FORK ABOVE LAVA CREEK NEAR MORAN, WY (LAT 43 50 14N LONG 110 26 21W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
08...	1010	195	172	2.5	03...	0830	4860	119	4.0
DEC					17...	1236	3810	101	7.0
17...	1720	132	231	0.5	JUL				
FEB 1986					15...	1000	1650	83	8.5
20...	1200	82	248	0.0	AUG				
APR					19...	1015	375	150	13.0
15...	0935	242	230	3.0					
MAY									
13...	0920	348	237	3.0					

SNAKE RIVER MAIN STEM--Continued

13018750 SNAKE RIVER BL FLAT CREEK, NEAR JACKSON, WY (LAT 43 22 20N LONG 110 44 17W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1430	1660	251	7.0	12...	1430	6520	218	7.0
DEC					30...	0730	17400	203	8.0
16...	1445	1660	251	1.5	JUN				
FEB 1986					04...	0920	23700	190	9.5
18...	1240	1790	264	4.0	18...	2010	17800	173	11.0
APR					JUL				
14...	1533	3690	228	7.0	14...	1615	7930	190	16.0
					AUG				
					18...	1712	4070	214	20.0

13022500 SNAKE RIVER ABOVE RESERVOIR, NR ALPINE, WY (LAT 43 11 47N LONG 110 53 18W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
07...	1750	2320	344	6.0	02...	1645	28800	231	11.5
DEC					20...	1519	19600	223	11.5
18...	1705	1940	253	0.5	JUL				
FEB 1986					17...	0820	10100	206	6.0
18...	0945	2050	327	0.0	AUG				
APR					21...	0825	6030	284	14.5
14...	1615	5420	317	6.0					
MAY									
12...	1755	8690	283	8.0					

GREYS RIVER BASIN

13023000 GREYS RIVER AB RESERVOIR, NR ALPINE, WY (LAT 43 08 35N LONG 110 58 34W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
10...	1110	285	341	2.0	15...	0815	1380	265	3.0
DEC					30...	1200	4610	298	5.0
19...	1340	212	320	0.0	JUN				
FEB 1986					04...	1240	5780	263	6.5
17...	1530	91	392	0.5	23...	1417	2870	295	7.0
APR					JUL				
17...	1020	1010	320	3.0	17...	1112	1390	305	9.0
					AUG				
					21...	1230	752	346	11.0

SALT RIVER BASIN

13027500 SALT RIVER AB RESERVOIR, NEAR ETNA, WY (LAT 43 04 47N LONG 111 02 12W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
10...	0905	551	506	5.0	02...	1340	5030	382	15.0
DEC					20...	1948	2430	411	15.0
18...	1515	476	499	2.0	JUL				
FEB 1986					17...	1545	1220	400	15.0
17...	1255	570	512	4.0	AUG				
APR					21...	1620	928	447	13.5
17...	1340	2050	439	8.0					
MAY									
15...	1045	2400	427	7.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SNAKE RIVER MAIN STEM--Continued

13032500 SNAKE RIVER NEAR IRWIN, ID (LAT 43 21 03N LONG 111 13 06W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
10...	1500	2200	299	12.0	09...	1725	17800	350	6.0
DEC					JUN				
20...	0930	3560	359	0.0	13...	1936	21800	274	11.0
FEB 1986					JUL				
24...	1140	1900	404	4.0	18...	0838	13200	234	13.0
APR					AUG				
18...	0815	15700	366	6.0	22...	1125	8010	261	13.5

SNAKE RIVER BASIN

13038000 DRY BED NEAR RIRIE, ID (LAT 43 38 21N LONG 112 42 55W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
08...	1423	1360	394	10.5	08...	1242	36	365	9.5
28...	1155	1310	428	9.5	MAY				
DEC					28...	1530	4500	304	11.0
10..	1100	294	372	2.0	JUL				
JAN 1986					07...	0930	4390	253	12.0
22...	1010	80	243	1.0	AUG				
MAR					18...	1200	2910	305	14.0
03...	1515	241	436	6.0					

13038380 DRY BED NEAR LEWISVILLE, ID (LAT 43 42 41N LONG 112 02 19W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
08...	1555	237	417	9.0	09...	1130	9.7	512	10.0
29...	1200	208	456	9.0	MAY				
DEC					29...	1045	305	329	14.0
11...	1100	69	437	0.5	JUL				
JAN 1986					08...	1115	780	324	12.5
22...	1315	12	236	3.5	AUG				
MAR					21...	1245	457	391	15.0
05...	1305	36	512	8.0					

SNAKE RIVER MAIN STEM--Continued

13038500 SNAKE RIVER AT LORENZO, ID (LAT 43 44 06N LONG 111 52 33W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
04...	1030	801	402	11.0	12...	1703	17000	339	9.0
28...	1600	704	428	10.0	13...	1620	15900	336	8.0
DEC					28...	1150	15700	300	10.0
10...	1330	1400	411	2.0	JUL				
JAN 1986					15...	1340	8810	252	14.0
20...	1150	2840	152	3.0	AUG				
MAR					21...	0850	3010	304	15.0
03...	1027	4720	441	4.0					
APR									
08...	1340	10600	278	6.0					

HENRYS FORK BASIN

13039500 HENRYS FORK NEAR LAKE, ID (LAT 44 35 42N LONG 111 20 57W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
29...	1130	21	219	6.0	15...	1209	75	246	4.0
DEC					MAY				
10...	1445	26	166	0.0	28...	1120	121	271	15.0
JAN 1986					JUL				
22...	1230	32	191	1.0	15...	1215	295	211	19.0
MAR					AUG				
04...	1430	39	280	2.5	26...	1122	38	218	19.0

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

HENRYS FORK BASIN--Continued

13042500 HENRYS FORK NEAR ISLAND PARK, ID (LAT 44 24 59N LONG 111 23 41W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
29...	1430	445	149	6.0	15...	1350	430	140	4.0
DEC					21...	1415	923	2	4.0
10...	1120	474	222	2.0	MAY				
JAN 1986					06...	1215	2210	116	7.0
22...	1600	522	242	3.0	28...	1530	1460	150	11.0
MAR					JUL				
04...	1030	458	189	3.5	29...	0800	1280	157	16.0
					AUG				
					26...	1555	840	155	16.0

13046023 HENRYS FORK NEAR ASHTON, ID (LAT 44 04 12N LONG 111 30 34W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
30...	1200	1350	138	7.0	16...	1200	2930	97	5.0
DEC					MAY				
11...	1300	1060	172	1.0	29...	1230	3280	124	15.0
JAN 1986					JUL				
23...	1230	1380	191	1.0	16...	1120	2910	134	18.0
MAR					SEP				
05...	1200	1400	164	7.0	04...	1149	1730	154	16.0

13046680 BOUNDARY CREEK NR BECHLER, WY (LAT 44 11 09N LONG 111 00 [illegible]9W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					JUN 1986				
01...	1110	87	176	8.5	05...	1030	338	62	11.5
DEC					25...	1200	233	90	14.5
16...	1400	80	213	6.0	JUL				
JAN 1986					17...	1100	134	153	13.0
27...	1330	77	218	6.5	AUG				
MAR					25...	1240	110	194	15.5
18...	1330	80	196	8.0					
APR									
18...	1300	146	147	7.0					

13047500 FALLS RIVER NEAR SQUIRREL, ID (LAT 44 04 07N LONG 111 14 25W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
30...	0900	541	192	4.5	16...	0930	1140	107	5.0
DEC					MAY				
11...	1030	397	211	0.0	20...	0930	3910	61	8.0
JAN 1986					JUL				
23...	1000	412	190	3.0	16...	0930	874	109	14.0
MAR					AUG				
05...	1000	478	141	4.0	25...	1700	756	142	18.5

13049500 FALLS RIVER NEAR CHESTER, ID (LAT 44 01 06N LONG 111 33 57W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
30...	1420	613	193	7.0	29...	1500	3450	77	11.0
MAR 1986					JUL				
05...	1200	585	203	6.0	16...	133[illegible]	558	131	18.0
APR					AUG				
16...	1500	1480	99	5.0	27...	1130	486	161	18.0

13050500 HENRYS FORK AT ST ANTHONY, ID (LAT 43 58 00N LONG 111 40 20W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
26...	0910	2080	146	7.0	14...	1000	3720	107	5.0
DEC					MAY				
12...	1300	1820	182	0.0	27...	1000	6330	67	14.0
JAN 1986					JUL				
27...	1000	1980	168	0.0	07...	1000	1800	136	14.0
MAR					AUG				
03...	1230	2040	171	6.0	27...	1129	1470	154	18.0

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

HENRYS FORK BASIN--Continued

13052200 TETON RIVER ABOVE LEIGH CREEK NEAR DRIGGS, ID (LAT 43 46 54N LONG 111 12 30W

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1130	301	342	5.5	12...	1030	1600	368	6.0
DEC					30...	1513	1560	271	13.0
16...	0945	190	390	0.5	JUL				
FEB 1986					14...	0815	748	353	13.0
17...	0830	309	411	1.0	AUG				
APR					18...	1215	400	422	15.5
14...	0945	505	376	3.0					

13055000 TETON RIVER NEAR ST ANTHONY, ID (LAT 43 55 38N LONG 111 36 55W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
31...	1300	530	352	7.0	30...	1430	5150	182	13.0
DEC					JUN				
12...	1100	469	335	1.0	18...	1115	3520	226	15.0
JAN 1986					JUL				
21...	1245	469	322	0.0	08...	1400	1390	240	16.0
MAR					SEP				
06...	1430	653	351	6.0	04...	1506	744	339	17.0
APR									
17...	1245	1140	227	6.0					

13055198 NORTH FORK TETON RIVER AT TETON, ID (LAT 43 53 53N LONG 111 40 38W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
31...	1020	208	274	6.0	17...	1105	422	198	8.0
DEC					MAY				
16...	1030	51	345	0.0	30...	1200	2110	182	14.0
JAN 1986					JUL				
24...	1000	26	265	1.0	08...	1200	523	264	15.0
MAR					AUG				
06...	1230	201	336	6.0	28...	1548	353	291	20.0

13055310 MOODY CR NR REXBURG, ID (LAT 43 46 48N LONG 111 37 21W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
28...	1500	5.2	266	8.0	14...	1500	99	103	4.0
DEC					MAY				
09...	1500	4.7	246	0.0	27...	1500	133	120	10.0
JAN 1986					JUL				
24...	1500	5.8	213	0.0	07...	1430	11	183	15.0
MAR					SEP				
03...	1530	11	200	1.0	03...	1855	5.4	264	16.0

13055340 SOUTH FORK TETON RIVER AT REXBURG, ID (LAT 43 50 07N LONG 111 46 38W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
31...	0900	96	323	5.0	17...	0930	869	215	6.0
DEC					MAY				
09...	1330	176	299	0.0	30...	1000	2490	173	11.0
JAN 1986					JUL				
24...	1230	209	327	0.0	08...	0930	395	252	15.0
MAR					AUG				
06...	0830	326	334	5.0	27...	1600	121	282	21.0

13056500 HENRYS FORK NR REXBURG, ID (LAT 43 49 34N LONG 111 54 15W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
28...	1220	2540	179	9.0	27...	1230	6220	153	16.0
DEC					JUL				
09...	1040	2270	190	1.0	07...	1200	2400	188	16.0
MAR 1986					SEP				
03...	0930	2530	222	6.0	03...	1708	2500	201	18.0
APR									
14...	1230	5490	129	6.0					

HENRYS FORK BASIN--Continued

13056600 TEXAS SLOUGH NEAR REXBURG, ID (LAT 43 47 17N LONG 111 53 44W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
28...	1308	85	484	10.0	09...	0920	50	477	7.0
DEC					MAY				
10...	1530	44	418	5.5	28...	1050	164	460	10.5
JAN 1986					JUL				
20...	0930	43	175	6.0	08...	1415	224	415	16.0
MAR					AUG				
05...	0930	61	550	5.5	22...	1250	305	485	13.0

SNAKE RIVER BASIN--Continued

13057090 SPRING CREEK NR ROBERTS, ID (LAT 43 43 50N LONG 112 02 30W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
29...	1300	32	489	9.0	09...	1030	20	517	12.0
DEC					MAY				
11...	1440	24	466	2.0	29...	1140	53	491	13.0
JAN 1986					JUL				
20...	1445	16	318	6.0	08...	1235	99	460	13.0
MAR					AUG				
05...	1142	24	571	8.0	21...	1620	59	494	14.0

SNAKE RIVER MAIN STEM--Continued

13057160 SNAKE RIVER NR IDAHO FALLS, ID (LAT 43 35 21N LONG 112 03 29W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
15...	1250	3270	291	8.0	10...	1500	16300	326	7.0
21...	1555	2820	295	9.5	MAY				
30...	1230	3230	281	9.0	23...	1215	24300	259	9.0
FEB 1986					JUL				
03...	1545	4480	308	2.5	07...	1755	15100	258	14.5
MAR					AUG				
04...	1040	7400	346	6.0	22...	0855	5050	316	15.5

SNAKE RIVER BASIN--Continued

13058510 SAND CREEK ABOVE WILLOW CREEK DIV NEAR UCON, ID (LAT 43 34 16N LONG 111 53 44

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
MAR 1986					JUL 1986				
21...	0900	33	456	3.0	09...	1750	523	264	15.0
APR					AUG				
11...	1350	16	450	11.5	19...	1050	417	319	15.0

SNAKE RIVER MAIN STEM--Continued

13060000 SNAKE RIVER NEAR SHELLEY, ID (LAT 43 24 50N LONG 112 08 05W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
30...	1345	3550	295	9.5	11...	1140	16300	320	7.5
DEC					MAY				
09...	1635	4400	413	0.0	27...	1255	20600	276	9.0
JAN 1986					JUL				
24...	1200	5120	214	0.5	07...	1255	15000	255	15.0
MAR					AUG				
04...	1550	7370	375	6.5	20...	0925	4460	309	17.0

13062500 SNAKE RIVER AT BLACKFOOT, ID (LAT 43 11 50N LONG 112 22 05W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
05...	1025	3170	268	4.0	02...	0948	18900	279	17.0
DEC					JUL				
10...	1245	3150	88	0.0	14...	0955	7800	262	16.0
MAR 1986					AUG				
03...	0940	7650	382	4.0	26...	0835	2740	290	17.5
APR									
14...	1033	19000	300	5.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

BLACKFOOT RIVER BASIN

13065940 WOLVERINE CR NR GOSHFN, ID (LAT 43 15 02N LONG 112 00 59W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
31...	1115	9.9	571	10.5	09...	1615	28	502	10.0
DEC					MAY				
12...	1025	8.4	565	6.0	27...	1655	49	448	19.0
JAN 1986					JUL				
23...	1105	9.0	224	7.0	09...	1235	7.9	513	19.0
MAR					AUG				
06...	1225	12	564	12.0	20...	1630	8.0	585	21.0

13066000 BLACKFOOT RIVER NEAR SHELLEY, ID (LAT 43 16 00N LONG 112 03 00W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
31...	1345	153	412	7.0	12...	1530	1800	416	9.5
DEC					29...	1330	1820	388	16.5
12...	1130	99	460	0.5	JUL				
JAN 1986					09...	0945	1140	384	16.0
23...	1305	254	263	1.0	AUG				
MAR					20...	1430	607	383	20.0
06...	1025	833	408	4.0					
APR									
09...	1520	1040	437	7.0					

13068495 BLACKFOOT RIVER BYPASS NR BLACKFOOT, ID (LAT 43 10 16N LONG 112 23 13W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
29...	1525	186	370	9.0	12...	1220	1230	391	8.5
DEC					JUN				
13...	1045	8.6	590	0.0	03...	1003	658	387	19.0
JAN 1986					JUL				
27...	1605	201	511	0.0	15...	0840	171	384	17.0
MAR					AUG				
06...	1350	522	537	7.0	25...	1451	98	335	20.5
APR									
15...	1358	669	447	12.0					

13068500 BLACKFOOT RIVER NR BLACKFOOT, ID (LAT 43 07 50N LONG 112 28 35W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
29...	1730	249	387	9.0	12...	1402	683	349	10.0
DEC					JUN				
12...	1645	111	560	0.0	02...	1517	328	382	24.0
JAN 1986					JUL				
27...	1316	109	564	0.0	14...	1413	221	323	20.0
MAR					AUG				
07...	1340	359	538	7.0	25...	1410	175	319	21.0
APR									
15...	1015	323	429	8.0					

SNAKE RIVER MAIN STEM--Continued

13069500 SNAKE RIVER NEAR BLACKFOOT, ID (LAT 43 07 31N LONG 112 31 06W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					APR 1986				
05...	1346	3300	255	7.0	14...	1356	17400	299	6.0
DEC					JUN				
10...	1517	3440	386	0.5	02...	1307	17100	282	17.0
JAN 1986					JUL				
21...	1236	4980	388	1.5	14...	1220	7750	284	17.0
MAR					AUG				
04...	1037	7700	413	7.0	25...	1122	2760	342	19.0

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SNAKE RIVER BASIN--Continued

13069532 CRYSTAL WASTE (LAT 42 02 52N LONG 112 40 49W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
07...	1112	41	945	6.5	17...	0921	40	1100	8.0
DEC					JUN				
13...	1356	40	958	5.0	04...	1301	41	1190	19.0
JAN 1986					JUL				
24...	1246	39	1160	--	16...	1119	34	1050	16.0
24...	1303	67	1160	5.0	AUG				
MAR					27...	1112	43	1020	16.0
05...	1555	49	1240	14.0					
27...	1620	39	1090	17.0					

13069540 DANIELSON CR NR SPRINGFILED, ID (LAT 43 03 32N LONG 112 41 23W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
06...	1646	59	504	6.0	17...	1040	59	663	11.0
DEC					JUN				
13...	1505	55	598	1.0	04...	1425	64	596	21.0
JAN 1986					JUL				
24...	1157	57	653	4.5	16...	1250	64	442	16.0
MAR					AUG				
27...	1445	60	702	14.0	27...	1010	67	562	16.0

13069565 ABERDEEN WASTEWAY (LAT 42 55 27N LONG 112 48 38W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
07...	1342	2.7	644	8.0	17...	1317	3.0	986	11.0
DEC					JUN				
13...	1205	1.9	986	0.0	04...	1055	32	342	20.0
JAN 1986					JUL				
23...	1748	2.0	1090	5.0	16...	1700	47	398	21.0
MAR					AUG				
09...	1311	4.4	1130	9.0	27...	1410	45	374	21.0
27...	1405	3.1	999	14.0					

PORTNEUF RIVER BASIN

13073000 PORTNEUF RIVER AT TOPAZ, ID (LAT 42 37 30N LONG 112 05 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
14...	1220	185	772	9.0	20...	1620	569	543	15.5
NOV					JUN				
18...	1720	183	438	5.5	30...	1810	232	657	21.0
JAN 1986					AUG				
22...	1015	177	621	4.0	12...	0800	334	693	18.0
MAR					SEP				
04...	0900	404	758	7.0	23...	0830	362	694	11.0
APR									
15...	1430	650	565	10.0					

13075000 MARSH CREEK NR MCCAMMON, ID (LAT 42 37 50N LONG 112 13 30W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
14...	1010	101	633	6.0	20...	1115	184	596	16.0
NOV					JUN				
18...	1226	114	692	4.0	30...	1640	84	753	21.0
JAN 1986					AUG				
22...	0810	120	670	1.5	11...	1400	86	816	20.0
MAR					SEP				
03...	1730	215	750	9.0	22...	1400	130	793	12.0
APR									
15...	1215	223	661	9.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

PORTNEUF RIVER BASIN--Continued

13075100 RAPID CR NR INKOM, ID (LAT 42 48 02N LONG 112 13 46W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
23...	1647	20	352	8.0	19...	1720	133	203	15.0
NOV					JUN				
25...	1740	14	328	2.0	30...	1445	27	312	18.0
JAN 1986					AUG				
21...	1620	17	278	0.5	11...	1300	20	404	16.0
MAR					SEP				
03...	1550	98	279	8.0	22...	1315	14	402	11.0
APR									
15...	1025	148	208	5.5					

13075500 PORTNEUF RIVER AT POCATELLO, ID (LAT 42 52 20N LONG 112 28 05W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
14...	1210	319	740	8.0	19...	1522	1100	507	14.0
NOV					JUN				
25...	1250	369	677	2.0	30...	1235	187	590	20.0
JAN 1986					AUG				
21...	1335	408	582	4.0	11...	1145	248	659	19.0
MAR					SEP				
03...	1205	1030	647	8.0	22...	1100	526	680	11.0
APR									
14...	1435	1230	515	8.0					

13075910 PORTNEUF RIVER NR TYHEE, ID (LAT 42 56 42N LONG 112 32 38W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
14...	1400	646	719	11.0	14...	1200	1500	557	8.0
NOV					MAY				
22...	1333	635	603	5.0	19...	1230	1300	551	14.0
JAN 1986					JUN				
21...	1015	674	564	6.0	30...	1030	308	652	16.0
FEB					AUG				
18...	1510	1320	506	5.5	11...	1000	494	681	21.0
MAR					SEP				
03...	0925	1310	658	8.5	22...	0910	848	551	12.0
27...	1200	1240	560	10.0					

SNAKE RIVER BASIN--Continued

13075960 ROSS FORK NR FORT HALL, ID (LAT 42 59 10N LONG 112 33 50W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
06...	1240	48	428	7.0	16...	1205	140	442	9.0
DEC					MAY				
11...	1533	44	392	3.0	12...	1225	179	443	9.0
JAN 1986					JUN				
22...	1315	47	645	6.5	03...	1555	87	457	23.0
FEB					JUL				
18...	1541	152	417	5.0	15...	1431	77	423	19.0
MAR					AUG				
04...	1547	80	584	10.0	26...	1035	92	450	16.0
27...	1304	67	492	10.0					

13075983 SPRING CR AT SHEEPSKIN RD NR FORT HALL, ID (LAT 43 02 36N LONG 112 33 15W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
06...	1434	401	308	9.0	16...	1341	385	465	10.0
DEC					JUN				
11...	1301	376	332	7.0	03...	1419	392	495	18.0
JAN 1986					JUL				
22...	1157	388	523	7.0	15...	1301	373	448	13.0
MAR					AUG				
05...	1128	393	525	10.0	25...	1622	402	450	16.0
28...	1200	380	499	12.0					

SNAKE RIVER BASIN--Continued

13076200 BANNOCK CREEK NR POCATELLO, ID (LAT 42 53 10N LONG 112 38 30W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					APR 1986				
06...	1125	60	561	4.0	16...	0955	120	669	8.0
DEC					JUN				
12...	1055	48	722	0.5	05...	1051	74	586	19.0
JAN 1986					JUL				
22...	1512	67	806	1.0	15...	1545	63	603	19.0
FEB					AUG				
18...	1212	518	417	5.5	26...	1634	65	640	21.0
MAR									
04...	1324	125	962	14.0					
27...	1048	97	731	10.0					

SNAKE RIVER MAIN STEM--Continued

13077000 SNAKE RIVER AT NEELEY, ID (LAT 42 46 06N LONG 112 52 42W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					JUN 1986				
07...	1514	2080	430	8.0	05...	1310	19200	352	20.0
DEC					10...	1055	22900	326	15.5
12...	1540	4010	486	0.0	JUL				
JAN 1986					01...	0905	15000	323	17.0
23...	1249	5420	528	1.0	17...	1110	12400	321	18.0
MAR					AUG				
06...	1147	15400	512	5.0	26...	1135	10800	359	21.0
APR									
18...	0911	20900	387	7.0					

ROCK CREEK BASIN

13077650 ROCK CREEK NR AMERICAN FALLS, ID (LAT 42 39 10N LONG 113 01 00W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					APR 1986				
08...	1124	66	643	4.0	17...	1543	64	636	8.0
DEC					JUN				
13...	0921	53	700	0.0	05...	1958	5.0	798	19.0
JAN 1986					JUL				
23...	1532	61	760	3.0	16...	1530	11	754	18.0
MAR					AUG				
07...	1040	66	793	8.0	26...	1545	41	753	19.0

RAFT RIVER BASIN

13079901 RAFT RIVER NR MOUTH AT YALE, ID (LAT 42 35 52N LONG 113 14 16W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
24...	1300	1.1	1800	13.0	24...	1427	110	535	11.0
NOV					MAY				
21...	1535	0.89	1770	7.0	30...	1647	100	457	28.0
JAN 1986					JUN				
02...	0825	0.9	1680	4.0	26...	1820	13	896	25.0
17...	1200	56	203	0.0	JUL				
23...	0900	2.9	1090	2.0	28...	1519	3.0	1680	17.0
FEB					AUG				
18...	1439	34	392	3.0	27...	1200	3.3	1420	15.0
MAR					SEP				
03...	1304	61	526	11.0	26...	1337	1.1	2400	12.0
25...	0954	67	601	7.0					

SNAKE RIVER MAIN STEM--Continued

13081500 SNAKE RIVER NR MINIDOKA, ID (AT HOWELLS FERRY) (LAT 42 40 23N LONG 113 29 58W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUL 1986				
18...	0850	2720	499	12.0	01...	1400	11700	368	19.5
DEC					23...	1015	8780	340	20.5
09...	1110	4080	371	2.0	AUG				
MAR 1986					13...	1200	9300	349	21.0
03...	1255	8700	460	8.0	SEP				
MAY					04...	1100	7550	319	21.0
12...	1400	24500	395	9.0					
JUN									
10...	0847	21200	384	16.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MARSH CREEK BASIN

13082320 MARSH CREEK NR DECLO, ID (LAT 42 31 30N LONG 113 38 50W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
24...	1000	5.0	680	11.0	24...	0916	63	388	8.0
NOV					MAY				
26...	1400	8.7	846	1.5	30...	1037	76	378	18.0
JAN 1986					JUN				
02...	1411	11	636	1.0	26...	1206	37	472	18.5
17...	0900	27	444	0.0	JUL				
30...	1025	25	605	4.0	28...	1030	20	525	17.0
FEB					AUG				
18...	1450	104	381	6.0	28...	1140	15	582	19.0
MAR					SEP				
03...	1500	57	345	9.5	25...	1142	16	634	10.0
25...	1315	38	436	9.0					

GOOSE CREEK BASIN

13082500 GOOSE CREEK AB TRAPPER CREEK NR OAKLEY, ID (LAT 42 07 30N LONG 113 56 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
17...	0925	31	431	4.0	08...	1110	258	254	7.5
DEC					MAY				
05...	0850	29	406	0.0	13...	0825	191	255	10.0
JAN 1986					JUL				
15...	0900	36	418	0.0	02...	0825	27	600	16.5
FEB					AUG				
18...	1300	340	235	1.5	11...	0910	24	467	16.5
MAR									
03...	0850	142	353	6.0					

13083000 TRAPPER CREEK NEAR OAKLEY, ID (LAT 42 10 10N LONG 113 58 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
17...	1210	14	275	6.5	08...	1350	44	182	7.5
DEC					MAY				
05...	1125	14	258	4.0	13...	1127	41	168	9.0
JAN 1986					JUL				
15...	1200	13	273	4.0	02...	1100	13	250	17.5
FEB					AUG				
18...	1530	49	166	6.0	11...	1140	13	240	18.0
MAR									
03...	1140	36	201	6.0					

SNAKE RIVER MAIN STEM--Continued

13088000 SNAKE RIVER AT MILNER, ID (LAT 42 31 41N LONG 114 01 04W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
18...	0805	1450	501	8.0	09...	0900	12700	390	15.5
DEC					JUL				
03...	0925	4380	545	0.0	01...	0950	2360	361	19.5
MAR 1986					23...	0815	347	328	19.5
06...	1122	9230	565	7.0	AUG				
APR					13...	0850	1050	357	21.0
07...	0840	19300	446	8.5	SEP				
MAY					04...	0900	1080	370	19.0
07...	0805	18100	401	9.0					

13090000 SNAKE RIVER NEAR KIMBERLY, ID (LAT 42 35 28N LONG 114 21 34W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
JAN 1986					AUG 1986				
22...	0939	6110	564	1.5	08...	1010	1390	437	20.0
JUL									
07...	1112	3120	430	19.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

BLUE LAKES SPRING BASIN

113091000 BLUE LAKES SPR NR TWIN FALLS, ID (LAT 42 36 53N LONG 114 28 06

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985				
02...	1055	187	606	15.0
21...	1235	209	636	16.0
NOV				
25...	1340	200	646	15.0
JAN 1986				
14...	1010	209	651	14.0
MAR				
05...	0930	181	654	15.0
APR 1986				
08...	0852	183	645	11.0
MAY				
14...	0910	183	625	15.5
JUL				
02...	0916	195	662	16.0
AUG				
11...	1135	207	615	16.5

ROCK CREEK BASIN

13093000 ROCK CREEK NEAR TWIN FALLS, ID (LAT 42 35 37N LONG 114 31 44W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985				
21...	1130	325	754	12.5
DEC				
06...	1200	155	898	7.0
JAN 1986				
14...	1317	105	850	5.5
MAR				
11...	1257	267	486	8.5
APR 1986				
09...	1405	278	419	11.0
MAY				
16...	1232	244	594	11.0
JUL				
03...	0856	286	727	17.0
AUG				
12...	1325	260	719	18.0

CEDAR DRAW BASIN

13093550 CEDAR DRAW NR FILER, ID (LAT 42 37 25N LONG 114 30 12W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
DEC 1985				
04...	1315	49	967	7.0
JAN 1986				
02...	1210	42	874	5.0
28...	0915	40	1040	7.0
FEB				
20...	1100	52	1070	8.0
MAR				
21...	1330	38	940	13.0
MAY				
27...	1145	203	532	17.0
JUN 1986				
27...	0930	114	708	16.5
JUL				
30...	1030	183	615	17.0
AUG				
29...	1045	210	850	18.5
SEP				
25...	0905	347	539	8.0

SNAKE RIVER MAIN STEM-Continued

13094000 SNAKE RIVER NEAR BUHL, IDAHO (LAT 42 39 58N LONG 114 42 41W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985				
21...	1015	3530	622	12.5
JAN 1986				
15...	1545	7220	566	3.0
APR 1986				
10...	0830	13800	476	12.0
JUN				
26...	1145	12500	517	22.0

MUD CREEK BASIN

13094700 MUD CREEK NR BUHL, ID (LAT 42 39 34N LONG 114 47 16W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985				
24...	1230	129	894	12.0
DEC				
04...	1200	80	961	7.0
JAN 1986				
02...	1020	75	948	5.0
28...	1030	72	1000	8.0
FEB				
20...	1605	82	1080	11.5
MAR				
26...	1105	83	906	11.5
APR 1986				
28...	1345	79	808	15.0
MAY				
27...	1300	95	809	18.0
JUN				
27...	1045	85	859	16.5
AUG				
29...	1220	152	720	18.0

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

BOX CANYON SPRINGS BASIN

13095500 BOX CANYON SPR NR WENDELL, ID (LAT 42 42 25N LONG 114 48 45W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
21...	1330	413	487	--	09...	0855	356	414	9.5
NOV					MAY				
25...	1100	401	422	15.0	14...	1218	361	398	14.0
JAN 1986					JUL				
15...	1040	378	399	14.5	02...	1149	370	422	16.0
MAR					AUG				
06...	1040	350	393	14.0	07...	1422	387	385	15.0

SALMON FALLS CREEK BASIN

13105000 SALMON FALLS CREEK NR SAN JACINTO, NV (LAT 41 56 40N LONG 114 41 15W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
24...	1040	64	292	7.5	09...	0825	640	109	7.0
DEC					MAY				
04...	1130	78	249	6.0	14...	0850	397	135	9.5
JAN 1986					JUN				
14...	0900	62	258	1.5	27...	1020	96	227	17.0
FEB					AUG				
18...	1000	807	114	3.5	13...	1145	23	287	17.5

13108150 SALMON FALLS CREEK NR HAGERMAN, ID (LAT 42 41 47N LONG 114 51 15W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
23...	1200	315	697	10.5	13...	1345	184	654	15.0
DEC					JUN				
04...	0910	204	829	7.0	26...	1355	43	734	23.0
JAN 1986					AUG				
13...	0935	166	845	5.0	12...	1100	79	720	17.0
MAR					15...	0930	98	731	16.0
04...	0955	191	782	12.0					
APR									
10...	1200	257	610	13.5					

MUD LAKE-LOST RIVER BASINS

13108900 CAMAS CREEK AT RED ROAD NR KILGORE, ID (LAT 44 17 20N LONG 111 51 28W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
17...	1620	44	138	12.0	22...	1511	671	134	8.0
DEC					JUL				
05...	1335	11	157	0.5	02...	1520	56	145	17.0
JAN 1986					AUG				
13...	1015	14	166	0.0	20...	1155	30	151	17.0
APR					SEP				
16...	1535	370	123	3.0	22...	1030	52	151	7.0

13112000 CAMAS CREEK AT CAMAS, ID (LAT 44 00 10N LONG 112 13 12W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
APR 1986					JUL 1986				
11...	1110	92	126	10.0	03...	1510	15	145	20.0

13113000 BEAVER CREEK AT SPENCER, ID (LAT 44 21 20N LONG 112 10 40W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
17...	1415	22	420	12.0	21...	1217	85	396	10.5
DEC					JUL				
04...	1317	12	317	0.0	02...	1304	26	381	19.0
JAN 1986					AUG				
13...	1240	13	446	0.0	19...	1315	9.9	370	16.5
FEB					SEP				
27...	1235	16	412	1.0	22...	1515	21	393	12.0
APR									
08...	1220	71	359	7.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MUD LAKE-LOST RIVER BASINS--Continued

13113500 BEAVER CREEK AT DUBOIS, ID (LAT 44 11 10N LONG 112 14 08W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985 18...	1347	16	383	13.0	MAY 1986 20...	1713	84	342	15.0
DEC 06...	1054	16	306	0.5	JUL 02...	1919	11	317	22.0
JAN 1986 14...	1220	12	470	2.0	AUG 19...	1620	1.9	287	19.0
FEB 28...	1500	17	373	1.0	SEP 22...	1255	13	377	10.0
APR 11...	1610	79	334	3.0					

13114000 BEAVER CREEK NEAR CAMAS, ID (LAT 44 00 27N LONG 112 13 25W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
APR 1986 11...	1320	9.0	323	14.0	MAY 1986 23...	1155	76	302	8.0

13116500 MEDICINE LODGE CREEK NR SMALL, ID (LAT 44 15 22N LONG 112 24 12W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985 18...	1057	44	446	11.0	MAY 1986 20...	1458	78	402	15.5
JAN 1986 13...	1410	26	505	1.0	JUL 03...	1059	77	413	13.0
FEB 26...	1640	52	442	7.0	AUG 18...	1025	59	441	14.0
APR 10...	1622	49	362	10.0	SEP 25...	1420	56	441	9.0

13117020 BIRCH CREEK AT BLUE DOME INN NEAR RENO, ID (LAT 44 09 14N LONG 112 54 24W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985 16...	1344	81	354	10.0	APR 1986 10...	1225	87	297	9.0
DEC 03...	1655	82	281	3.0	MAY 20...	1144	72	331	12.0
JAN 1986 16...	1520	96	250	4.5	JUL 01...	1216	65	309	14.0
FEB 24...	1640	87	331	9.0	AUG 18...	1350	74	329	15.0
MAR 18...	1515	92	279	5.0	SEP 23...	1410	79	317	10.0

13117030 BIRCH CREEK AT 8MI CANYON RD NR RENO, ID (LAT 44 04 49N LONG 112 52 30W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985 16...	1055	60	356	10.0	MAY 1986 19 ..	1720	56	288	15.5
DEC 03...	1443	81	259	2.5	JUN 30...	1600	48	304	17.0
JAN 1986 02...	1410	75	304	0.0	AUG 18...	1120	57	343	13.0
MAR 18...	1300	79	296	2.5	SEP 23...	1125	59	349	6.5
APR 07...	1456	75	302	8.0					

13117360 SAWMILL CR AB SUMMIT CR NR CLYDE, ID (LAT 44 13 18N LONG 113 19 02W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985 16...	1230	9.1	142	6.0	JUL 1986 03...	1450	31	92	17.0
MAR 1986 28...	1205	5.7	159	11.0	AUG 11...	1250	3.4	115	19.0
APR 16...	0925	31	142	3.0	SEP 12...	1009	8.8	135	9.0
MAY 22...	0910	117	100	1.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MUD LAKE-LOST RIVER BASINS--Continued

13118700 LITTLE LOST RIVER BL WET CREEK NR HOWE, ID (LAT 44 08 10N LONG 113 14 30W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
16...	1556	69	240	8.5	22...	1220	211	161	3.0
JAN 1986					JUL				
13...	0956	32	207	0.0	03...	1150	141	255	13.0
FEB					AUG				
24...	1500	48	284	7.0	11...	1417	63	278	15.0
APR					SEP				
16...	1140	100	266	3.0	12...	1203	76	268	13.0

13119000 LITTLE LOST RIVER NR HOWE, ID (LAT 43 53 10N LONG 113 06 00W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUN 1986				
16...	0818	118	344	6.0	07...	1502	212	246	14.5
FEB 1986					JUL				
24...	1225	100	378	4.0	03...	0857	154	321	16.0
APR					AUG				
16...	1730	155	363	11.0	11...	1540	90	323	19.0
MAY					SEP				
22...	1503	208	287	8.0	12...	1328	98	338	14.0

13120000 N FK BIG LOST RIVER AT WILD HORSE NR CHILLY, ID (LAT 43 55 50N LONG 114 06 47W

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
15...	1258	58	237	5.0	20...	0810	326	183	3.0
DEC					JUN				
03...	1106	30	184	1.0	06...	1046	4500	145	7.0
JAN 1986					JUL				
15...	1350	32	244	2.0	02...	1145	254	172	7.0
FEB					AUG				
26...	1317	38	242	3.0	13...	1528	75	222	18.0
APR					SEP				
15...	0906	111	244	3.0	17...	1345	81	435	8.0

13120500 BIG LOST RIVER AT HOWELL RANCH NR CHILLY, ID (LAT 43 59 54N LONG 114 01 12W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUN 1986				
15...	1600	164	190	7.0	06...	1327	2080	120	7.5
JAN 1986					JUL				
16...	1220	124	217	2.0	02...	1412	853	142	13.0
MAR					AUG				
25...	1050	117	220	3.0	13...	1411	242	176	13.0
APR					SEP				
15...	1130	273	217	4.0	17...	1425	185	192	7.0
MAY									
20...	1440	905	157	7.0					

13127000 BIG LOST RIVER BL MACKAY RESERVOIR, ID (LAT 43 56 20N LONG 113 38 50W)

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
17...	0854	42	324	4.0	21...	0820	843	308	10.0
DEC					JUN				
04...	1009	78	214	1.0	09...	1250	1330	198	13.0
JAN 1986					JUL				
15...	0853	105	307	2.0	01...	1240	860	234	18.0
FEB					AUG				
25...	0912	124	348	0.0	13...	1115	646	252	17.0
MAR					SEP				
17...	1545	124	302	6.0	18...	1212	488	308	9.5
APR									
15...	1507	352	320	9.0					
28...	1440	553	303	7.0					

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
MUD LAKE-LOST RIVER BASINS--Continued									
13132500 BIG LOST RIVER NR ARCO, ID (LAT 43 35 00N LONG 113 16 10W)									
OCT 1985					MAY 1986				
13...	0857	204	368	7.0	21...	1420	100	347	10.0
NOV					JUN				
06...	1010	52	431	7.5	03...	1237	1270	325	17.0
DEC					09...	1005	1710	308	13.0
04...	1400	20	222	0.5	JUL				
JAN 1986					01...	1010	277	341	20.0
16...	1052	16	436	0.0	AUG				
FEB					12...	1040	28	406	22.0
25...	1400	72	438	10.0	SEP				
APR					15...	0850	204	388	12.0
17...	0824	245	388	8.0					
13132520 BIG LOST RIVER BL INEL DIVERSION NR ARCO, ID (LAT 43 30 57N LONG 113 04 52W)									
OCT 1985					MAY 1986				
14...	1300	211	363	7.0	07...	1252	303	300	8.0
NOV					19...	1215	152	353	13.5
06...	1035	40	388	2.0	JUN				
FEB 1986					04...	1413	427	280	18.0
27...	1040	66	414	0.0	30...	1703	204	362	18.0
APR					AUG				
14...	1437	107	370	7.0	12...	1250	6.0	380	22.0
					SEP				
					15...	1415	312	356	20.0
13132535 BIG LOST RIVER AT LINCOLN BLVD NR ATOMIC CITY, ID (LAT 43 34 28N LONG 112 56 33W									
OCT 1985					MAY 1986				
14...	1042	185	343	5.0	07...	1530	321	278	7.0
NOV					19...	0840	140	305	11.0
06...	1113	25	370	2.5	JUN				
FEB 1986					30...	0835	250	322	16.0
24...	0835	5.0	384	0.0	SEP				
MAR					18...	1520	280	338	14.0
12...	1555	3.0	354	12.0					
APR									
14...	1046	184	366	5.0					
13132580 BIG LOST RIVER BL PLAYA 1 NR HOWE ID (LAT 43 47 40N LONG 112 50 58W)									
NOV 1985					JUL 1986				
06...	1305	2.1	370	7.5	07...	1425	40	251	20.0
MAY 1986					SEP				
19...	1223	1.4	287	18.0	25...	1057	11	378	9.5
JUN									
02...	1755	10	302	21.0					
20...	1410	91	270	23.0					
MALAD RIVER BASIN									
13139500 BIG WOOD RIVER AT HAILEY, ID (LAT 43 31 05N LONG 114 18 10W)									
OCT 1985					MAY 1986				
07...	1625	278	260	9.0	08...	0845	1350	210	6.0
NOV					JUN				
25...	0830	130	288	0.5	02...	1145	4300	156	8.0
JAN 1986					11...	0815	2250	176	8.0
08...	1700	180	300	1.5	JUL				
FEB					23...	0845	581	254	11.0
18...	1515	204	283	[illegible]	SEP				
APR					11...	1120	298	268	8.5
07...	1000	910	243	4.0					

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MALAD RIVER BASIN--Continued

13141000 BIG WOOD RIVER NEAR BELLEVUE, ID (LAT 43 19 40N LONG 114 20 25W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1410	155	319	--	06...	1515	1420	230	8.5
NOV					30...	1030	3750	186	10.0
23...	1105	131	243	0.5	JUN				
26...	1225	87	287	2.0	09...	1445	2150	204	12.5
JAN 1986					JUL				
08...	1430	46	328	4.0	23...	1236	201	303	14.5
FEB					SEP				
18...	1645	287	301	5.5	11...	1330	118	332	15.0
APR									
24...	1315	1750	214	11.0					

13141500 CAMAS CREEK NR BLAINE, ID (LAT 43 18 58N LONG 114 32 27W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1210	15	227	10.0	08...	1230	580	145	9.0
NOV					JUN				
21...	1445	20	184	1.0	11...	1135	283	136	18.0
JAN 1986					JUL				
08...	1205	27	205	2.0	21...	1530	10	220	21.0
APR					SEP				
01...	1400	1840	127	7.0	12...	1050	0.3	233	12.5
15...	1115	872	123	7.0					

13142500 BIG WOOD RIVER BL MAGIC DAM NR RICHFIELD, ID (LAT 43 14 53N LONG 114 21 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
08...	1300	5.8	271	11.0	09...	1130	2800	187	12.0
NOV					JUL				
21...	1200	5.8	327	6.0	21...	1200	833	209	14.0
APR 1986					SEP				
03...	1315	2740	170	8.0	09...	1110	888	211	18.0
MAY									
08...	1245	1610	188	10.0					

13147900 LITTLE WOOD RIVER AB HIGH FIVE CREEK NR CAREY, ID (LAT 43 28 30N LONG 114 03 30

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1030	85	248	4.0	07...	1200	588	196	7.0
NOV					30...	1130	1130	140	7.0
22...	1030	40	231	1.0	JUN				
JAN 1986					10...	1330	506	180	12.5
07...	1150	53	245	0.0	JUL				
APR					22...	1235	111	221	14.5
14...	1015	458	197	3.0	SEP				
24...	1015	781	178	8.0	10...	1730	67	257	15.0

13148500 LITTLE WOOD RIVER NR CAREY, ID (LAT 43 23 20N LONG 114 00 00W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1240	8.7	278	6.0	01...	1055	700	177	9.0
NOV					07...	1415	650	208	10.0
22...	1310	6.2	284	0.5	30...	1340	1180	181	11.0
JAN 1986					JUN				
07...	1455	4.8	307	1.0	10...	1040	535	170	10.5
FEB					JUL				
19...	1115	213	182	3.0	22...	1030	376	188	16.5
APR					SEP				
02...	1215	880	193	5.0	10...	1030	133	225	14.5

MALAD RIVER BASIN--Continued

13150430 SILVER CREEK AT SPORTSMAN ACCESS NR PICABO, ID (LAT 43 19 22N LONG 114 06 28W

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1010	170	385	3.5	07...	1700	180	391	12.5
NOV					JUN				
22...	1815	211	185	0.5	09...	1635	143	342	--
JAN 1986					JUL				
08..	1005	181	377	2.0	23...	1020	132	372	17.0
MAR					SEP				
10...	1130	228	428	7.0	08...	1810	170	391	13.5

13152500 MALAD RIVER NR GOODING, ID (LAT 42 53 12N LONG 114 48 08W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
16...	1320	41	438	10.0	13...	1100	1080	298	13.0
NOV					JUN				
20...	1430	143	377	1.0	30...	1030	408	348	21.0
FEB 1986					AUG				
07...	1040	130	383	1.0	14...	1345	247	357	20.5
MAR					SEP				
05...	1100	277	313	8.0	22...	1245	538	350	14.0
20...	1300	1580	182	8.0					

13153500 MALAD RIVER NR BLISS, ID (LAT 42 51 40N LONG 115 54 04W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
30...	0750	78	438	13.0	22...	1308	1670	285	14.5
NOV					MAY				
18...	0840	114	442	11.5	27...	0825	1080	342	18.0
DEC					JUN				
19...	0815	75	480	11.5	30...	0817	387	381	18.0
JAN 1986					JUL				
28...	1210	90	388	13.0	28...	0825	327	427	15.5
FEB					AUG				
19...	0845	2800	211	7.0	25...	0805	315	407	15.5
MAR					SEP				
24...	1020	1880	278	10.0	22...	0825	458	402	15.5

CLOVER CREEK BASIN

13154400 CLOVER CREEK NR KING HILL, ID (LAT 43 00 11N LONG 115 10 44W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
01...	0825	11	455	5.0	22...	0855	58	387	15.0
18...	1055	9.8	887	0.0	MAY				
DEC					28...	0800	22	428	18.0
18...	1010	13	587	0.0	JUL				
JAN 1986					01...	0845	17	444	18.5
17...	1200	484	182	0.0	30...	1100	16	448	18.5
27...	1400	54	286	1.0	AUG				
FEB					26...	1105	10	447	20.0
17...	1215	3250	88	3.0	SEP				
28...	1445	857	97	8.5	23...	1210	14	474	13.5

LITTLE CANYON CREEK BASIN

13155820 LITTLE CANYON CREEK AT GLENNS FERRY, ID (LAT 42 57 01N LONG 115 18 14W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
31...	1255	3.2	887	7.0	29...	0720	15	381	15.5
NOV					JUN				
18...	1215	2.4	1080	1.0	26...	1220	5.3	888	20.5
DEC					JUL				
20...	1100	2.3	1090	0.0	31...	1200	3.8	1060	16.0
JAN 1986					AUG				
17...	1045	44	282	1.0	27...	1150	4.5	956	18.5
28...	0808	3.6	888	4.0	SEP				
FEB					25...	1200	6.0	887	12.0
17...	1430	250	84	4.0					

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ALKALI CREEK BASIN

13155700 ALKALI CREEK NR GLENNS FERRY, ID (LAT 42 57 27N LONG 115 21 54W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUN 1986				
31...	1150	0.58	618	9.5	28...	1120	0.48	514	22.5
NOV					JUL				
19...	1315	0.56	827	5.5	31...	1100	1.7	552	19.0
DEC					AUG				
20...	0855	0.51	773	2.0	27...	1110	0.48	678	18.0
JAN 1986					SEP				
17...	0820	65	115	0.0	25...	1120	0.8	665	13.0
27...	1045	3.7	281	1.0					
MAY									
28...	1530	0.38	465	25.0					

COLD SPRINGS CREEK BASIN

13156000 COLD SPRINGS CREEK NR HAMMETT, ID (LAT 42 56 45N LONG 115 25 52W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
07...	1400	1.7	717	11.5	16...	1300	21	243	15.5
DEC					JUN				
16...	1530	1.4	818	0.0	12...	1015	14	310	16.0
JAN 1986					JUL				
14...	1015	1.1	922	0.5	22...	1400	1.2	532	25.0
FEB					AUG				
12...	1145	14	271	0.5	27...	0845	4.1	519	17.5
APR					SEP				
18...	1130	42	142	8.5	25...	1115	4.8	620	12.0

BENNETT CREEK BASIN

13157000 BENNETT CREEK NR HAMMETT, ID (LAT 42 56 48N LONG 115 20 32W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUN 1986				
07...	1245	3.8	483	10.0	12...	1215	2.8	450	20.5
FEB 1986					JUL				
12...	1130	0.04	1200	0.5	21...	1420	1.3	457	26.0
APR					AUG				
18...	1015	21	412	8.5	27...	1100	1.1	508	19.5
MAY					SEP				
16...	1340	3.6	437	16.0	25...	1015	0.85	422	10.0

CANYON CREEK BASIN

13159800 CANYON CR AT OREGON TRAIL CROSSING NR MOUNTAIN HOME, ID (LAT 43 15 30N LONG 115 42 06

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
08...	1705	2.5	73	8.0	18...	1400	54	58	12.5
NOV					MAY				
18...	1805	9.2	63	3.0	20...	1320	56	55	13.5
JAN 1986					JUN				
14...	1245	8.4	86	0.0	16...	1345	71	57	19.5
FEB					JUL				
11...	1440	48	65	3.5	23...	1400	46	67	20.0
19...	1330	512	52	5.5	AUG				
24...	1205	943	46	6.5	22...	1000	52	69	16.5
MAR					SEP				
06...	1743	284	46	9.0	26...	1415	27	74	12.5

BRUNEAU RIVER BASIN

13168500 BRUNEAU RIVER NR HOT SPRINGS, ID (LAT 42 46 18N LONG 115 43 10W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					JUN 1986				
09...	1005	120	252	11.5	02...	1200	2020	76	15.5
NOV					18...	1315	789	114	20.0
19...	0940	122	241	8.5	JUL				
DEC					18...	1315	183	218	27.0
17...	1340	116	385	4.5	AUG				
FEB 1986					21...	1315	82	207	24.5
19...	1315	134	194	7.0	SEP				
MAR					20...	1330	135	205	15.0
18...	1150	840	177	9.5					
APR									
17...	1130	965	149	11.5					

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SNAKE RIVER MAIN STEM--Continued

13171620 SNAKE RIVER BL CJ STRIKE DAM NR GRAND VIEW, ID (LAT 42 56 50N LONG 115 58 49W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1217	11000	463	13.5	23...	1000	20400	395	13.5
JAN 1986					JUN				
16...	1345	13000	541	4.0	24...	1205	23100	386	20.0
APR					AUG				
16...	1030	28200	414	9.5	05...	1305	8100	450	22.0

13172500 SNAKE RIVER NR MURPHY, ID (LAT 43 17 31N LONG 116 25 12W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
10...	0853	9840	515	11.0	21...	0900	28700	422	12.0
NOV					MAY				
13...	1058	10600	484	8.0	23...	1120	21900	322	11.0
DEC					JUN				
20...	1150	10700	417	2.0	25...	1100	23000	387	22.0
FEB 1986					AUG				
03...	1035	14000	515	7.0	08...	1320	5900	489	24.0
MAR					SEP				
18...	0930	21500	449	8.5	17...	1237	10500	508	15.5

BOISE RIVER BASIN

13185000 BOISE RIVER NR TWIN SPRINGS, ID (LAT 43 39 33N LONG 115 43 34W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
07...	1026	475	87	8.5	22...	1055	4740	40	5.0
NOV					JUN				
12...	1050	585	80	2.0	02...	1250	8620	29	7.0
DEC					20...	0850	3200	38	9.5
18...	1050	381	101	0.0	AUG				
JAN 1986					04...	1210	550	70	18.0
29...	1150	588	84	2.5	SEP				
MAR					11...	1009	438	83	12.0
16...	0845	1870	87	5.0					
APR									
17. .	0920	2330	58	3.5					

13186000 S FK BOISE RIVER NR FEATHERVILLE, ID (LAT 43 29 40N LONG 115 18 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
08...	1400	272	112	6.5	27...	1015	4350	83	6.5
NOV					JUN				
18...	1115	288	108	2.5	03...	1220	6360	47	7.5
DEC					23...	1040	1860	63	10.0
18...	1130	224	118	1.0	AUG				
JAN 1986					06...	1420	384	105	19.0
27...	1130	212	119	2.0	SEP				
MAR					18...	1414	318	122	11.5
12...	1210	1130	91	5.5					
APR									
15...	1020	1910	81	3.5					

13190500 S FK BOISE RIVER AT ANDERSON RANCH DAM, ID (LAT 43 20 30N LONG 115 28 40W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					APR 1986				
08...	1205	3230	74	12.0	15...	1445	3100	84	5.0
NOV					JUN				
18...	1340	314	87	8.5	03...	1350	7390	77	10.0
DEC					23...	1325	1730	78	8.5
18...	1355	302	87	2.0	AUG				
JAN 1986					06...	1011	682	77	9.0
27...	1405	328	88	5.0	SEP				
MAR					18...	1020	840	68	5.0
12...	1315	1580	88	0.0					

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

BOISE RIVER BASIN--Continued

13200000 MORES CREEK AB ROBIE CREEK NR ARROWROCK DAM, ID (LAT 43 38 53N LONG 115 59 20W

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
07...	1410	78	118	9.0	22...	0945	908	61	7.5
NOV					MAY				
12...	1310	104	106	1.5	22...	1415	801	59	7.0
DEC					JUN				
17...	1010	84	115	0.0	20...	1230	235	64	12.5
JAN 1986					AUG				
30...	1052	129	104	0.5	04...	1419	45	99	23.0
FEB					SEP				
24...	0855	3800	54	2.0	11...	1400	59	113	14.0
MAR									
14...	1045	1520	64	4.0					

13202000 BOISE RIVER NR BOISE, ID (LAT 43 31 10N LONG 116 03 31W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					APR 1986				
15...	1200	174	88	8.5	25...	1315	9380	69	6.0

13205633 CRANE CR AT 1206 RANCH RD AT BOISE, ID (LAT 43 36 48N LONG 116 12 01W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
11...	1135	0.63	282	10.5	14...	1300	3.0	140	9.5
NOV					MAY				
14...	1340	0.49	268	7.5	21...	1315	2.2	159	10.0
DEC					JUN				
23...	1030	0.57	274	3.5	28...	1140	0.26	269	17.0
JAN 1986					AUG				
31...	1253	2.7	156	7.0	01...	1459	0.2	303	17.5
MAR					SEP				
20...	1335	10	101	10.5	16...	1532	0.2	342	12.0

13206000 BOISE RIVER AT GLENWOOD BRIDGE NR BOISE, ID (LAT 43 39 37N LONG 116 16 41W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					APR 1986				
08...	1540	419	122	10.5	14...	1155	6660	84	8.0
NOV					MAY				
14...	1305	200	150	8.5	21...	1235	2520	76	9.5
DEC					JUN				
18...	1340	1880	101	2.0	26...	0920	1280	61	13.5
JAN 1986					AUG				
30...	1440	531	122	5.0	07...	1254	774	82	17.5
FEB					SEP				
20...	1420	3720	104	4.5	12...	1415	567	98	16.0
MAR									
10...	1350	6700	81	6.5					

13210050 BOISE RIVER NR MIDDLETON, ID (LAT 43 41 06N LONG 116 34 22W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					AUG 1986				
09...	1212	266	194	8.5	01...	1248	160	165	19.0
NOV					SEP				
14...	1010	308	221	4.0	12...	1134	280	168	16.0

13211300 INDIAN CREEK AB WASTE WATER PLANT NR NAMPA, ID (LAT 43 35 50N LONG 116 34 42W

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAR 1986				
10...	1600	76	499	11.5	10...	0935	39	494	12.0
NOV					AUG				
13...	1330	35	777	11.5	07...	1030	42	621	17.5
DEC					SEP				
18...	1000	31	765	8.5	17...	1550	68	575	14.0

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

BOISE RIVER BASIN--Continued

13213000 BOISE RIVER NR PARMA, ID (LAT 43 46 54N LONG 116 58 17W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					MAY 1986				
23...	1400	1160	573	11.0	14...	1300	6990	138	11.0
DEC					JUL				
03...	1400	1350	446	2.0	17...	1325	1090	433	17.0
APR 1986					AUG				
22...	1300	6530	130	13.0	20...	1255	751	481	20.0

SNAKE RIVER MAIN STEM--Continued

13213100 SNAKE RIVER AT NYSSA, OR (LAT 43 52 36N LONG 116 59 02W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
DEC 1985					MAY 1986				
03...	1137	18300	568	4.5	14...	0915	37200	366	13.5
APR 1986					JUL				
22...	0900	36500	338	14.0	17...	1055	9540	487	20.0

PAYETTE RIVER BASIN

13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID (LAT 44 05 07N LONG 115 37 16W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
OCT 1985					JUN 1986				
21...	1130	384	90	7.5	09...	1045	3620	39	6.0
NOV					JUL				
26...	1407	290	76	0.5	15...	0940	1040	62	11.0
APR 1986					AUG				
21...	1230	1500	58	8.0	18...	1055	528	80	13.0
MAY					SEP				
15...	1345	1280	57	4.5	29...	1030	493	81	5.5
30...	1215	6350	35	8.5					

13236500 DEADWOOD RIVER BL DEADWOOD RES NR LOWMAN, ID (LAT 44 17 30N LONG 115 38 33W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
JUN 1986					AUG 1986				
02...	1457	2050	39	10.0	26...	1016	353	40	14.0
JUL					SEP				
15...	1261	1550	37	7.5	30...	1045	0.57	47	7.0

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID (LAT 44 54 27N LONG 116 07 04W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
05...	1440	181	19	7.5	15...	1313	642	22	6.0
DEC					JUN				
11...	1215	104	20	2.5	04...	1300	3850	19	14.0
JAN 1986					JUL				
24...	0930	73	21	2.0	17...	1258	78	17	17.5
MAR					AUG				
06...	0930	232	23	3.5	28...	1025	122	11	19.0
APR									
10...	1505	697	21	5.0					

13240000 LAKE FORK PAYETTE RIVER AB JUMBO CR NR MCCALL, ID (LAT 44 54 49N LONG 115 59 47

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
07...	0945	81	23	1.0	04...	1025	1110	11	5.0
DEC					JUL				
09...	1400	36	30	0.0	17...	1003	76	24	12.5
MAY 1986					AUG				
13...	1145	181	22	4.0	28...	0836	17	40	14.0

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
PAYETTE RIVER BASIN--Continued									
13245000 N FK PAYETTE RIVER AT CASCADE, ID (LAT 44 30 44N LONG 116 01 52W)									
NOV 1985					MAY 1986				
05...	1330	182	33	7.5	15...	1100	1100	25	9.0
DEC					JUN				
10...	1500	220	36	2.5	02...	1530	256	33	12.0
JAN 1986					JUL				
22...	1545	246	35	2.0	14...	1800	365	40	17.0
MAR					AUG				
06...	1350	2090	36	4.0	25...	1612	2350	32	21.0
APR					SEP				
10...	1130	2480	33	5.0	29...	1458	1440	35	11.0
13246000 NORTH FORK PAYETTE RIVER NR BANKS, ID (LAT 44 06 50N LONG 116 06 25W)									
NOV 1985					MAY 1986				
07...	1350	351	47	6.0	16...	1025	1770	45	9.5
DEC					JUN				
12...	1125	320	61	0.5	02...	1135	1640	27	15.0
JAN 1986					JUL				
24...	1400	385	47	2.0	14...	1015	466	43	18.0
MAR					AUG				
07...	1025	3120	43	4.5	25...	1017	2420	33	20.0
APR					SEP				
11...	1030	3820	35	6.0	29...	1050	1610	38	10.0
13247500 PAYETTE RIVER NR HORSESHOE BEND, ID (LAT 43 56 33N LONG 116 11 45W)									
OCT 1985					JUL 1986				
21...	1440	1280	71	10.0	15...	1435	3370	52	15.0
NOV					AUG				
27...	1207	877	84	0.5	18...	1400	3620	45	19.5
MAY 1986					SEP				
15...	1545	5580	50	9.5	29...	1345	2520	53	11.0
13249500 PAYETTE RIVER NR EMMETT, ID (LAT 43 55 50N LONG 116 26 30W)									
OCT 1985					MAY 1986				
22...	1155	1600	96	10.0	13...	1400	5040	53	11.5
NOV					JUL				
25...	1415	993	76	1.0	16...	1350	1970	59	16.0
FEB 1986					AUG				
26...	1110	9990	75	6.0	19...	1335	2300	50	21.0
APR									
25...	1245	7700	49	9.5					
13250000 PAYETTE RIVER NR LETHA, ID (LAT 43 53 47N LONG 116 37 33W)									
OCT 1985					JUN 1986				
02...	1145	1130	144	12.5	02...	1055	13400	85	16.0
MAR 1986					23...	1245	2720	100	19.0
20...	1200	6280	86	8.5	JUL				
APR					16...	1120	1200	141	16.0
24...	0930	8040	61	11.5	AUG				
MAY					19...	1100	1190	142	20.0
12...	1500	4730	91	12.5					
13251000 PAYETTE RIVER NR PAYETTE, ID (LAT 44 02 33N LONG 116 55 27W)									
OCT 1985					JUN 1986				
24...	1330	2050	157	10.0	02...	1120	13200	52	15.0
DEC					20...	1030	4360	81	15.0
02...	1315	1400	168	1.0	JUL				
MAR 1986					18...	1115	1670	170	16.0
20...	1000	6920	87	6.5	AUG				
APR					21...	0855	1750	170	20.5
23...	1000	8400	65	10.0	SEP				
MAY					30...	1055	2740	131	12.0
12...	0930	5310	83	11.0					

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WEISER RIVER BASIN

13257000 MIDDLE FORK WEISER RIVER NR MESA, ID (LAT 44 39 35N LONG 116 27 14W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
04...	1605	53	90	6.0	12...	1700	277	74	8.5
DEC					JUN				
09...	1615	52	97	0.0	05...	1020	574	45	8.5
JAN 1986					JUL				
22...	1040	53	98	0.0	18...	1026	61	96	12.0
MAR					AUG				
04...	1020	297	82	4.0	28...	1520	24	108	21.0
APR									
08...	1010	417	69	5.0					

13258500 WEISER RIVER NR CAMBRIDGE, ID (LAT 44 34 47N LONG 116 38 20W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
04...	1415	201	137	8.0	12...	1525	1080	74	10.0
DEC					JUN				
09...	1445	343	107	1.0	05...	1445	1340	56	12.5
JAN 1986					JUL				
21...	1440	272	107	1.0	18...	1415	171	111	20.0
MAR					AUG				
03...	1735	2590	75	7.0	29...	0850	59	120	19.0
APR									
07...	1540	1510	70	10.0					

13266000 WEISER RIVER NR WEISER, ID (LAT 44 16 03N LONG 116 46 16W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
04...	1055	307	128	7.5	12...	1140	1530	81	10.0
DEC					JUN				
09...	1155	606	106	0.5	06...	0850	2830	54	12.0
FEB 1986					JUL				
20...	1210	6280	89	3.0	19...	1010	451	129	19.0
24...	1240	12200	66	4.0	AUG				
MAR					29...	1308	354	129	21.5
03...	1013	5020	103	7.0					
APR									
07...	1145	2180	84	11.5					

WILDHORSE RIVER BASIN

13289960 WILDHORSE RIVER AT BROWNLEE DAM, ID (LAT 44 51 08N LONG 116 53 24W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
19...	1415	29	156	1.0	02...	1445	437	76	14.5
JAN 1986					JUL				
13...	1607	35	174	1.0	16...	1215	82	180	12.5
MAY					SEP				
22...	1100	410	84	7.0	24...	1430	40	173	12.0

PINE CREEK BASIN

13290190 PINE CREEK NR OXBOW, OR (LAT 44 57 13N LONG 116 52 21W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
18...	1711	124	146	1.0	03...	0845	1400	53	10.0
JAN 1986					SEP				
14...	1230	75	149	0.5	24...	1230	121	144	12.5
MAY									
22...	0845	900	68	6.0					

SALMON RIVER BASIN

13296500 SALMON RIVER BL YANKEE FORK NR CLAYTON, ID (LAT 44 16 06N LONG 114 43 55W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
04...	1343	572	110	3.5	21...	1315	1680	89	8.0
DEC					MAY				
17...	1417	427	116	0.0	27...	1420	5180	55	7.0
JAN 1986					JUL				
27...	1402	415	118	0.0	21...	1115	1040	98	12.0
MAR					AUG				
10...	1342	756	95	3.0	25...	1030	834	110	12.0

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

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SALMON RIVER BASIN--Continued

13297330 THOMPSON CREEK NR CLAYTON, ID (LAT 44 16 01N LONG 114 30 48W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
04...	1608	6.0	223	5.0	30...	1335	240	84	7.5
DEC					JUN				
12...	1600	4.8	254	1.0	09...	1536	83	96	7.0
JAN 1986					JUL				
27...	1550	5.5	256	1.0	21...	1425	13	185	17.0
MAR					AUG				
13...	1418	20	221	5.0	25...	1245	7.3	234	15.5
APR									
23...	1458	114	144	8.5					

13297350 BRUNO CREEK NR CLAYTON, ID (LAT 44 17 56N LONG 114 26 50W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
05...	0923	0.35	577	4.5	31...	0905	20	183	5.0
DEC					JUN				
20...	0915	0.34	575	2.0	11...	1306	3.5	226	8.0
JAN 1986					JUL				
31...	0930	0.37	571	2.0	22...	0820	0.74	496	8.5
MAR					AUG				
13...	1300	0.64	533	5.0	26...	0815	0.49	524	8.5
APR									
23...	1548	5.1	409	8.0					

13297355 SQUAW CREEK BL BRUNO CREEK NR CLAYTON, ID (LAT 44 17 28N LONG 114 28 14W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
05...	1030	12	219	1.5	30...	1615	587	78	8.5
DEC					JUN				
16...	1648	9.3	236	0.0	09...	1753	195	93	8.0
JAN 1986					JUL				
27...	1735	9.5	235	0.0	22...	0940	25	178	9.5
MAR					AUG				
10...	1648	30	186	4.5	26...	0945	15	211	11.0
APR									
21...	1551	104	152	11.0					

13297450 LITTLE BOULDER CREEK NR CLAYTON, ID (LAT 44 05 57N LONG 114 26 56W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
05...	1357	4.3	101	1.5	30...	0900	154	49	2.5
DEC					JUN				
17...	1117	4.2	103	1.0	11...	1152	97	54	5.0
JAN 1986					JUL				
28...	1043	4.1	108	2.0	22...	1250	31	69	11.0
MAR					AUG				
13...	1015	5.5	110	2.0	26...	1210	14	84	12.0
APR									
23...	1050	26	94	3.0					

13301900 PAHSIMEROI RIVER AT DOWTON LANE NR MAY, ID (LAT 44 37 07N LONG 113 53 49W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
07...	1120	290	358	7.0	24...	0942	162	361	8.0
DEC					JUN				
10...	1214	281	334	2.0	24...	1650	146	373	15.5
JAN 1986					JUL				
30...	1338	291	335	--	24...	1005	75	347	11.5
MAR					AUG				
12...	1202	301	298	7.0	26...	1510	52	376	15.5

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SALMON RIVER BASIN--Continued

13301990 PAHSIMEROI RIVER AT BURSTEAD LANE NR ELLIS, ID (LAT 44 39 50N LONG 114 01 39W

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
07...	0957	327	360	7.0	21...	1530	102	364	12.0
DEC					29...	1722	102	412	19.0
19...	1326	322	339	2.0	JUN				
JAN 1986					26...	1450	182	375	15.5
30...	1457	347	334	--	JUL				
MAR					24...	1100	139	364	11.5
12...	1418	326	309	8.5	AUG				
APR					26...	1325	111	396	17.0
24...	1100	226	356	10.0					

13302005 PAHSIMEROI RIVER AT ELLIS, ID (LAT 44 41 31N LONG 114 02 51W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					APR 1986				
07...	1430	351	360	7.5	24...	1131	244	361	10.0
DEC					JUL				
19...	0845	308	344	1.0	24...	0840	206	397	12.0
JAN 1986					AUG				
30...	1730	343	340	--	27...	1243	198	408	15.0
MAR									
12...	1507	348	335	8.5					

13302500 SALMON RIVER AT SALMON, ID (LAT 45 11 00N LONG 113 53 40W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUN 1986				
06...	0955	1500	262	5.5	10...	0950	9270	115	9.0
MAR 1986					JUL				
11...	0952	1830	221	6.0	23...	1305	1850	215	18.5
APR					AUG				
22...	0833	2740	175	12.5	27...	1130	1260	257	18.0
MAY									
29...	1010	11200	100	10.0					

13305000 LEMHI RIVER NR LEMHI, ID (LAT 44 56 24N LONG 113 38 16W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
06...	1345	256	414	5.0	29...	1126	1030	170	7.0
DEC					JUN				
18...	1355	238	387	0.0	06...	1330	744	269	9.0
MAR 1986					JUL				
11...	1503	289	382	6.0	23...	0925	156	432	12.0
APR					AUG				
22...	1300	269	337	11.5	27...	1200	123	499	12.0

13311000 E FK OF S FK SALMON RIVER AT STIBNITE, ID (LAT 44 54 21N LONG 115 19 42W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
06...	1035	12	102	1.0	14...	1030	35	88	2.0
DEC					JUN				
10...	1430	11	148	0.0	03...	1245	309	35	6.0
JAN 1986					JUL				
28...	1415	7.7	37	1.0	16...	1506	32	77	9.0
APR					AUG				
09...	1250	26	23	4.0	27...	1423	11	100	12.0

13313000 JOHNSON CREEK AT YELLOW PINE, ID (LAT 44 57 44N LONG 115 29 58W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
06...	1230	151	72	3.0	14...	1233	845	46	3.5
DEC					JUN				
11...	1040	56	92	0.0	03...	1335	3270	29	7.0
MAR 1986					JUL				
05...	1030	162	72	1.5	16...	1255	274	70	11.0
APR					AUG				
09...	1350	480	58	8.0	27...	1238	90	106	12.0

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

SALMON RIVER BASIN--Continued

13316500 LITTLE SALMON RIVER AT RIGGINS, ID (LAT 45 24 47N LONG 116 19 29W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					JUL 1986				
22...	1108	255	124	1.0	18...	1000	424	113	11.5
JAN 1986					SEP				
16...	1100	187	137	4.0	26...	1045	344	120	10.0
MAY									
19...	1500	1590	60	13.5					

SNAKE RIVER MAIN STEM--Continued

13334300 SNAKE RIVER NR ANATONE, WA (LAT 46 05 50N LONG 116 58 36W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
JAN 1986					JUN 1986				
09...	1032	23800	411	2.0	03...	1445	157000	125	15.0
MAY					SEP				
06...	1330	69500	185	10.5	26...	0915	22900	292	15.0

CLEARWATER RIVER BASIN

13336500 SELWAY RIVER NR LOWELL, ID (LAT 46 05 12N LONG 115 30 46W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
09...	0811	2470	23	3.5	28...	0850	25900	9	7.5
JAN 1986					JUL				
30...	1100	1460	33	1.0	15...	0550	1840	25	15.5
MAR					SEP				
28...	1210	5440	24	15.0	10...	0820	837	43	14.5

13336635 WALTON CREEK NEAR POWELL RANGER STATION, ID (LAT 46 30 28N LONG 114 40 46W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
JUN 1986					AUG 1986				
24...	1040	29	34	10.5	11...	1315	9.7	55	12.5
JUL					SEP				
14...	1300	25	35	10.0	08...	1415	3.1	62	10.0

13337000 LOCHSA RIVER NR LOWELL, ID (LAT 46 09 02N LONG 115 35 11W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
09...	1041	2940	28	3.0	28...	1220	17100	13	8.0
JAN 1986					JUL				
30...	1310	1500	34	2.0	14...	1555	1360	28	18.0
MAR					SEP				
29...	0807	5110	27	9.0	10...	1000	514	44	15.5

13337177 S FK RED RIVER AT RED RIVER RANGER STATION, ID (LAT 45 42 28N LONG 115 20 36W

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
AUG 1985				
13...	1337	8.5	36	17.5

13337510 CROOKED RIVER NR OROGRANDE, ID (LAT 45 42 57N LONG 115 32 21W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
AUG 1986				
13...	1003	16	37	11.0

13337520 CROOKED RIVER NR MOUTH NR ELK CITY, ID (LAT 45 49 19N LONG 115 31 37W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
AUG 1986				
13...	1142	21	40	23.0

13338500 S FK CLEARWATER RIVER AT STITES, ID (LAT 46 05 12N LONG 115 58 32W)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
NOV 1985					MAY 1986				
18...	0947	423	76	0.5	28...	1542	3690	33	14.0
JAN 1986					JUL				
30...	1630	1010	183	4.0	15...	0945	488	48	18.5
MAR					SEP				
29...	1352	2390	66	8.5	24...	1500	310	78	12.0

SUPPLEMENTAL WATER QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

CLEARWATER RIVER BASIN--Continued

13339500 LOLO CREEK NR GREER, ID (LAT 46 22 20N LONG 116 09 40W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					JUL 1986				
16...	1348	211	32	0.0	15...	1315	73	37	19.0
APR 1986					SEP				
04...	1930	745	25	7.5	10...	1435	51	46	17.5
MAY									
29...	0905	460	25	16.5					

13340000 CLEARWATER RIVER AT OROFINO, ID (LAT 46 28 43N LONG 116 15 23W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
OCT 1985					MAY 1986				
26...	1345	8050	51	6.5	29...	1021	59000	17	11.5
FEB 1986					JUL				
17...	0914	8940	46	0.5	17...	1330	4340	96	19.5
APR					SEP				
19...	0846	12700	44	6.5	10...	1600	2170	81	18.0

13340600 N FK CLEARWATER RIVER NR CANYON RANGER STATION, ID (LAT 46 50 26N LONG 115 37 11W

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					MAY 1986				
02...	0745	3740	33	3.5	28...	1530	14700	23	10.0
JAN 1986					JUL				
28...	1440	1430	39	1.0	17...	0822	1890	43	13.0
APR					SEP				
05..	0945	6830	30	5.5	11...	0705	790	50	13.5

13340612 SOUSIE CREEK NR CANYON RANGER STATION, ID (LAT 46 47 57N LONG 115 39 13W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					MAY 1986				
02...	1145	3.4	41	5.0	28...	1630	7.6	37	11.0
JAN 1986					JUL				
28...	0935	3.7	41	3.5	17...	1342	2.8	43	9.0
APR									
05...	1216	8.2	34	5.0					

13340615 BEAVER CREEK NR CANYON RANGER STATION, ID (LAT 46 48 44N LONG 115 38 48W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					MAY 1986				
02...	1122	107	41	5.0	28...	1320	134	44	11.0
JAN 1986					JUL				
28...	1130	62	45	2.5	17...	1220	68	51	11.0
APR					SEP				
05...	1016	253	30	4.5	11...	0930	37	53	10.0

13340855 REEDS CREEK NR HEADQUARTERS, ID (LAT 46 37 23N LONG 115 56 39W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					MAY 1986				
02...	1431	78	52	5.5	28...	1055	60	69	7.5
JAN 1986					JUL				
31...	1105	209	41	1.0	17...	1558	38	76	16.5
APR					SEP				
20...	0903	122	38	7.0	11...	1220	8.7	73	13.0

13340859 SNAKE CREEK NR HEADQUARTERS, ID (LAT 46 36 29N LONG 115 56 29W)

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)	DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	TEMPERATURE (DEG C)
NOV 1985					APR 1986				
02...	1625	17	49	6.0	20...	1107	27	38	8.0
JAN 1986					MAY				
29...	1035	35	36	1.5	28...	0900	14	54	13.0
MAR					JUL				
20...	0935	63	31	5.0	17...	1740	6.9	59	13.5

SUPPLEMENTAL WATER-QUALITY DATA FOR GAGING STATIONS

WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)
CLEARWATER RIVER BASIN--Continued									
13341050	CLEARWATER RIVER NR PECK, ID (LAT 46 30 00N LONG 116 23 30W)								
OCT 1985 26...	0820	8410	35	7.5	APR 1986 19...	0642	22400	31	6.0
DEC 20...	0900	12800	34	3.0	JUL 17...	1430	6130	42	15.0
FEB 1986 17...	0820	9990	71	3.0					
13341128	LONG HOLLOW CREEK AT NEZPERCE, ID (LAT 46 14 03N LONG 116 14 10W)								
NOV 1985 16...	0731	0.47	446	0.0	MAR 1986 12...	0748	5.5	352	0.0
FEB 1986 22...	0748	5.5	352	0.0	MAY 17...	0856	0.88	437	8.0
13342200	TWENTY-ONE RANCH SPRING NR WAHA, ID (LAT 46 13 40N LONG 116 51 08W)								
OCT 1985 27...	0750	2.2	87	9.0	MAY 1986 17...	1158	5.2	84	9.0
NOV 30...	0820	2.2	87	9.0	JUN 04...	0730	5.0	87	9.0
JAN 1986 08...	1126	2.4	90	9.0	JUL 15...	1510	6.9	124	9.5
FEB 22...	1405	2.9	96	9.0	AUG 14...	0900	4.0	88	10.0
MAR 22...	0800	3.9	90	9.0	SEP 12...	0815	5.1	79	10.0
APR 28...	0800	4.8	84	9.0					
13342450	LAPWAI CREEK NR LAPWAI, ID (LAT 46 25 36N LONG 116 48 15W)								
NOV 1985 08...	1530	32	220	8.0	MAY 1986 17...	1010	63	185	10.0
FEB 1986 22...	1200	280	189	5.0	JUL 15...	1600	12	272	22.0
23...	1110	860	154	4.0	SEP 25...	0830	20	302	12.5
MAR 11...	1420	262	154	9.5					
19...	1500	190	160	12.0					
PALOUSE RIVER BASIN									
13345000	PALOUSE RIVER NR POTLATCH, ID (LAT 46 54 55N LONG 116 57 00W)								
OCT 1985 18...	1555	16	80	9.0	JUN 1986 26...	1225	23	72	21.5
DEC 14...	0730	22	86	0.0	SEP 26...	1230	27	78	12.0
APR 1986 18...	1850	266	54	8.5					
13346800	PARADISE CR AT UNIVERSITY OF IDAHO AT MOSCOW, ID (LAT 46 43 55N LONG 117 01 24								
NOV 1985 08...	1035	2.8	804	8.0	APR 1986 16...	1631	5.7	254	10.5
FEB 1986 23...	1317	376	113	1.5	JUN 26...	1440	0.66	576	21.0
MAR 01...	1050	25	182	8.0	SEP 12...	1100	0.2	480	17.0
13350448	COW CREEK AT GENESEE, ID (LAT 46 32 48N LONG 116 55 37W)								
NOV 1985 01...	1635	0.82	310	5.0	MAR 1986 02...	1035	40	240	6.5
30...	1350	0.84	324	0.0	13...	1310	22	282	7.0
FEB 1986 22...	1735	190	148	2.0	MAY 17...	1342	2.0	327	15.0
					JUL 15...	1300	0.19	392	17.0

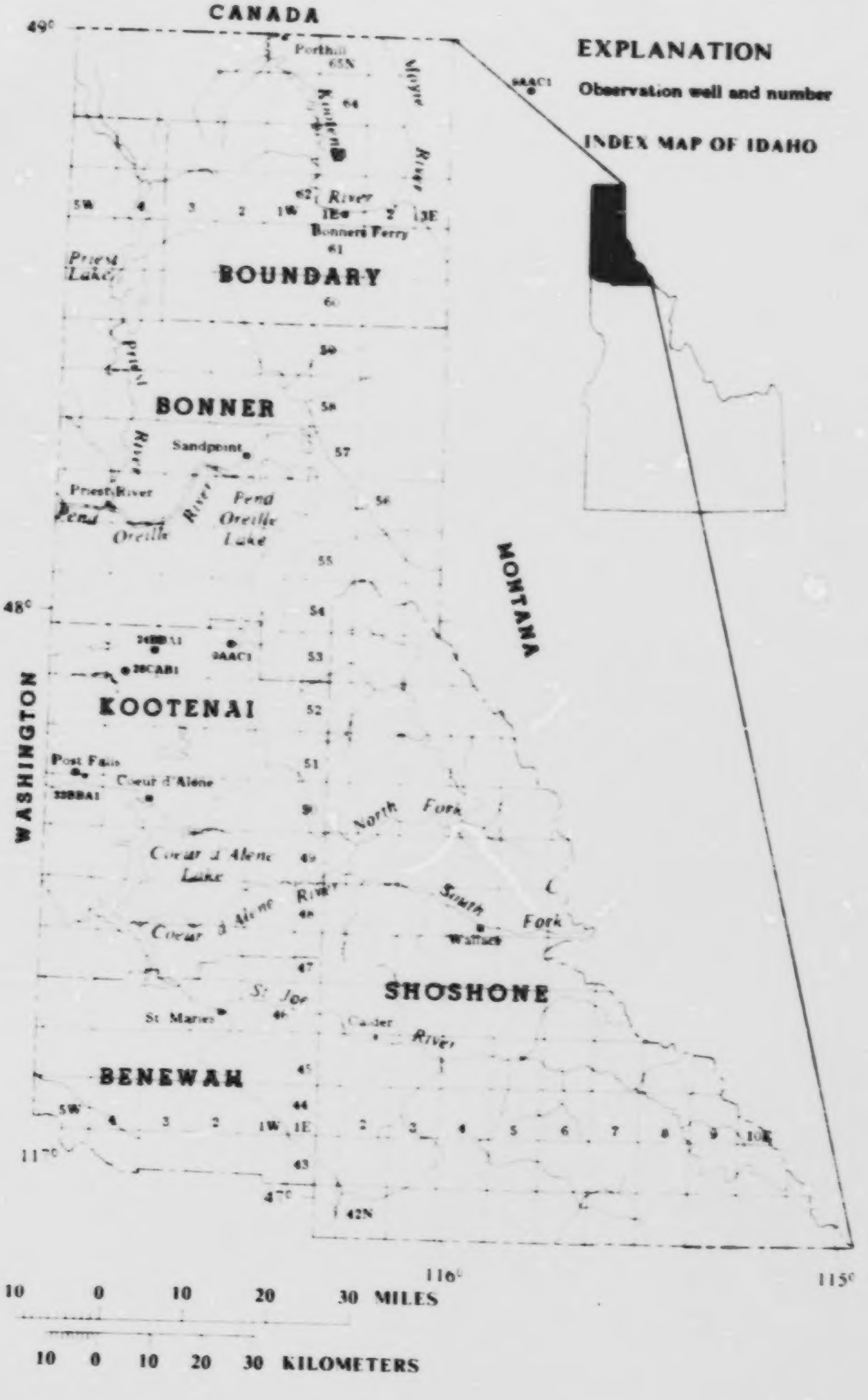
CANADA
49°
EXPLANATION
Observation well and number
INDEX MAP OF IDAHO
Porthill
65N
64
Kootenai
Moyie River
River
62
5W
4
3
2
1W
1E
2
3E
Bonners Ferry
61
Priest Lake
BOUNDARY
60
59
Priest
BONNER
58
River
Sandpoint
57
Priest River
Pend Oreille
River
Pend Oreille Lake
56
55
MONTANA
48°
54
53
9AAC1
28CAB1
KOOTENAI
52
WASHINGTON
Post Falls
Coeur d'Alene
33BBA1
51
50
North Fork
Coeur d'Alene Lake
49
River
Coeur d'Alene
South Fork
48
Wallace
47
St Joe
SHOSHONE
St Maries
46
Calder
River
BENEWAH
45
44
5W
4
3
2
1W
1E
2
3
4
5
6
7
8
9
10E
117°
43
47°
42N
116°
115°
10
0
10
20
30 MILES
10
0
10
20
30 KILOMETERS

Figure 28.--Observation-well locations in north Idaho.

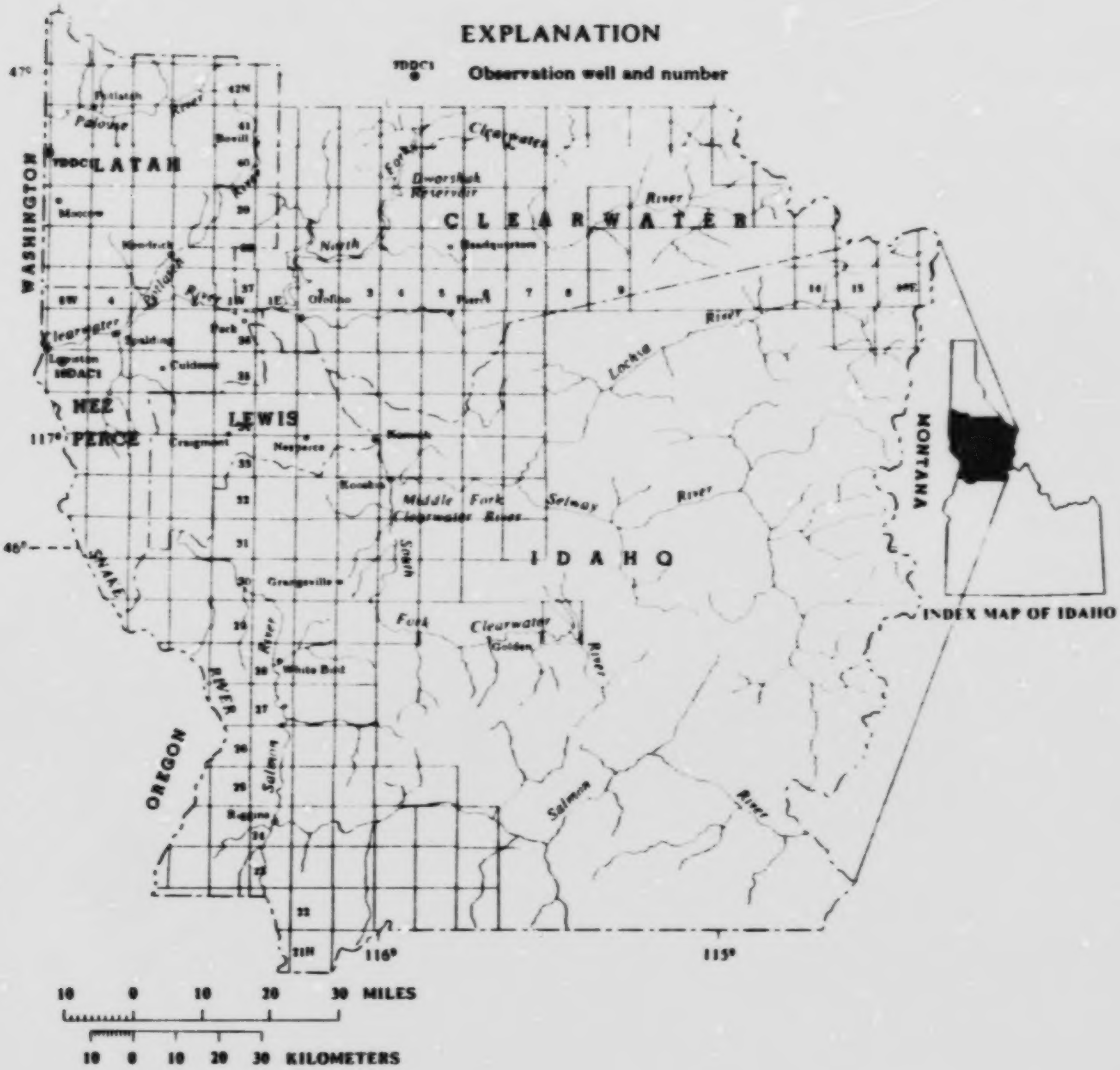
EXPLANATION
Observation well and number
WASHINGTON
LATAH
CLEARWATER
NEZ PERCE
LEWIS
IDAHO
MONTANA
OREGON
Palouse
Potlatch
River
Bovill
Moscow
Kendrick
Dworshak Reservoir
North Fork
Clearwater
Headquarters
Orofino
Peck
Spalding
Lewiston
Culdesac
Craigmont
Nezperce
Kamiah
Kooskia
Middle Fork Clearwater River
Lochsa River
Selway River
South Fork Clearwater River
Grangeville
Golden
White Bird
Riggins
Salmon River
Snake River
INDEX MAP OF IDAHO
47°
46°
117°
116°
115°
42N
41
40
39
37
36
35
33
32
31
30
29
28
27
26
25
24
23
22
21N
6W
4
1W
1E
3
4
5
7
8
9
14
15
16E
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS

Figure 29.--Observation-well locations in north-central Idaho.

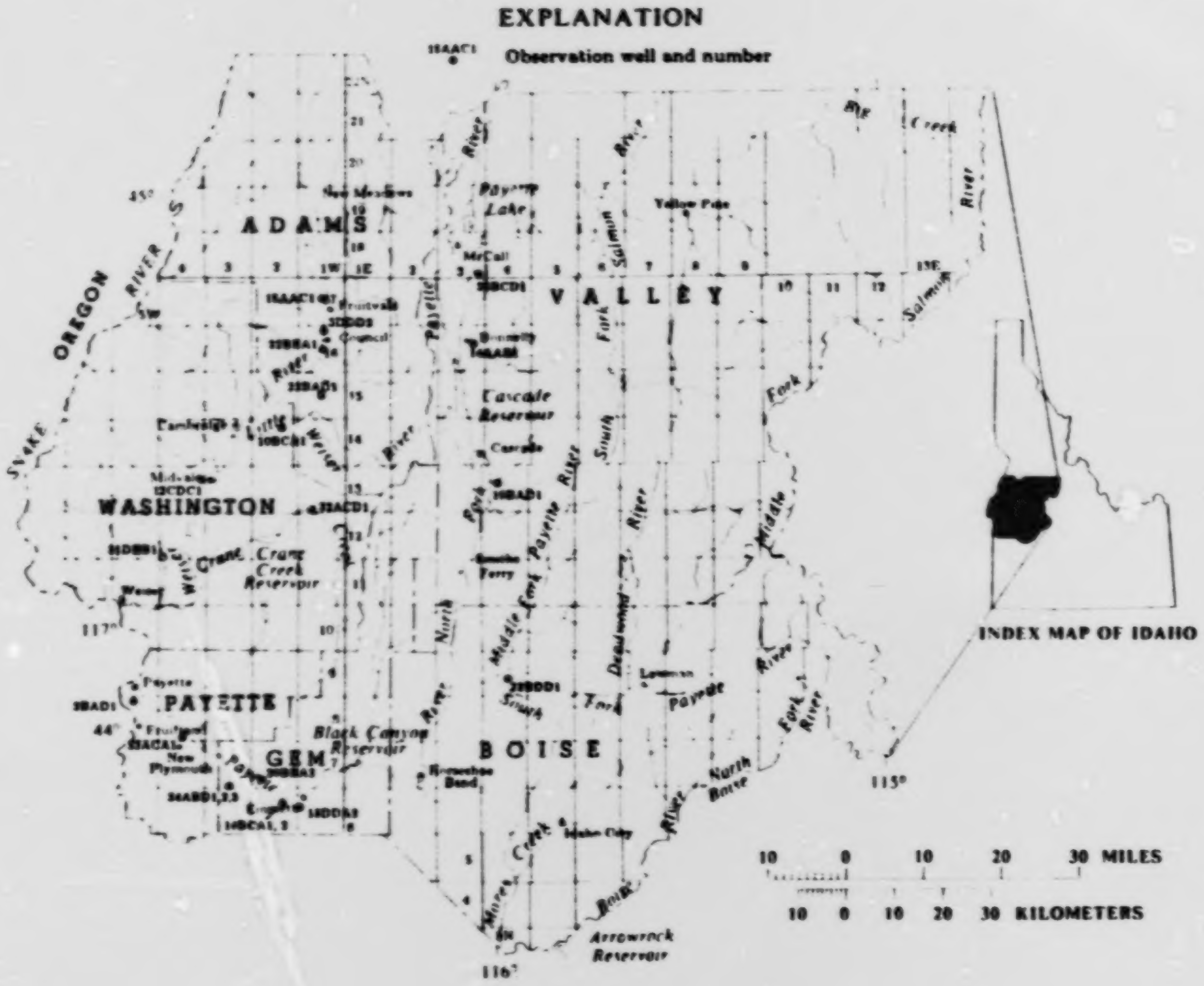
EXPLANATION
Observation well and number
ADAMS
VALLEY
WASHINGTON
PAYETTE
GEM
BOISE
OREGON
SNAKE RIVER
New Meadows
Payette Lake
McCall
Yellow Pine
Council
Cambridge
Midvale
Weiser
Cascade Reservoir
Cascade
Crane Creek Reservoir
Payette
Fruitland
New Plymouth
Black Canyon Reservoir
Emmett
Horseshoe Bend
Idaho City
Lowman
Arrowrock Reservoir
Salmon River
South Fork Salmon River
Big Creek
Middle Fork
North Fork
South Fork Payette River
Deadwood River
Payette River
North Fork Boise River
Mores Creek
Boise River
45°
44°
117°
116°
115°
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
INDEX MAP OF IDAHO

Figure 30.--Observation-well locations in west-central Idaho.

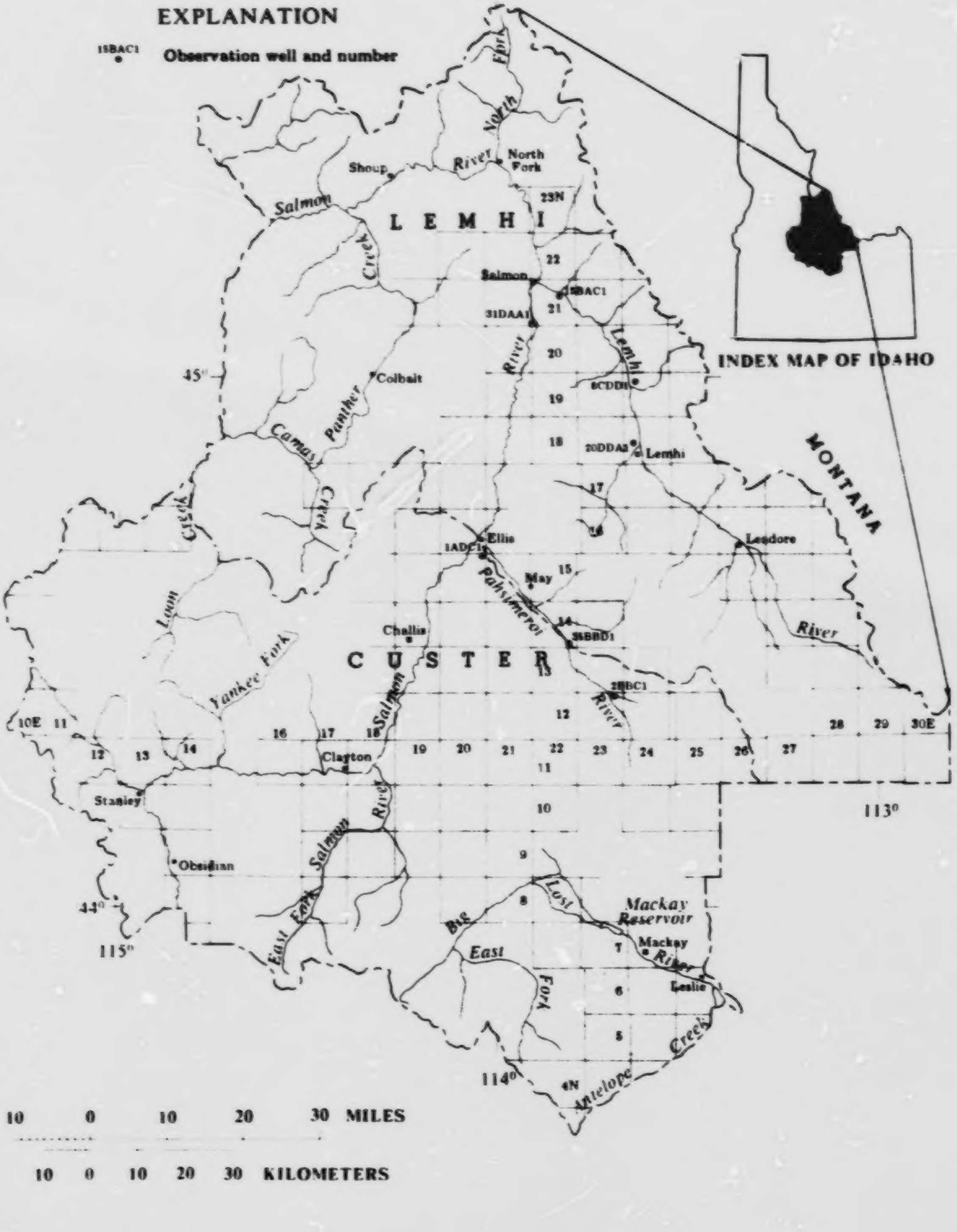
EXPLANATION
15BAC1
Observation well and number
INDEX MAP OF IDAHO
MONTANA
LEMHI
CUSTER
North Fork
North Fork
Shoup
Salmon
River
Salmon
Creek
Panther
Camas
Creek
Colbalt
15BAC1
31DAA1
Lemhi
8CDD1
20DDA1
Lemhi
Leadore
River
Ellis
1ADC1
May
Pahsimeroi
Challis
35BBD1
2BBC1
River
Loon
Creek
Yankee Fork
Salmon
Clayton
Stanley
Obsidian
River
Salmon
East Fork
Big
East
Fork
Lost
Mackay Reservoir
Mackay
River
Leslie
Antelope
Creek
23N
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4N
10E
11
12
13
14
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30E
45°
44°
115°
114°
113°
10
0
10
20
30
MILES
10
0
10
20
30
KILOMETERS

Figure 31.--Observation-well locations in east-central Idaho.

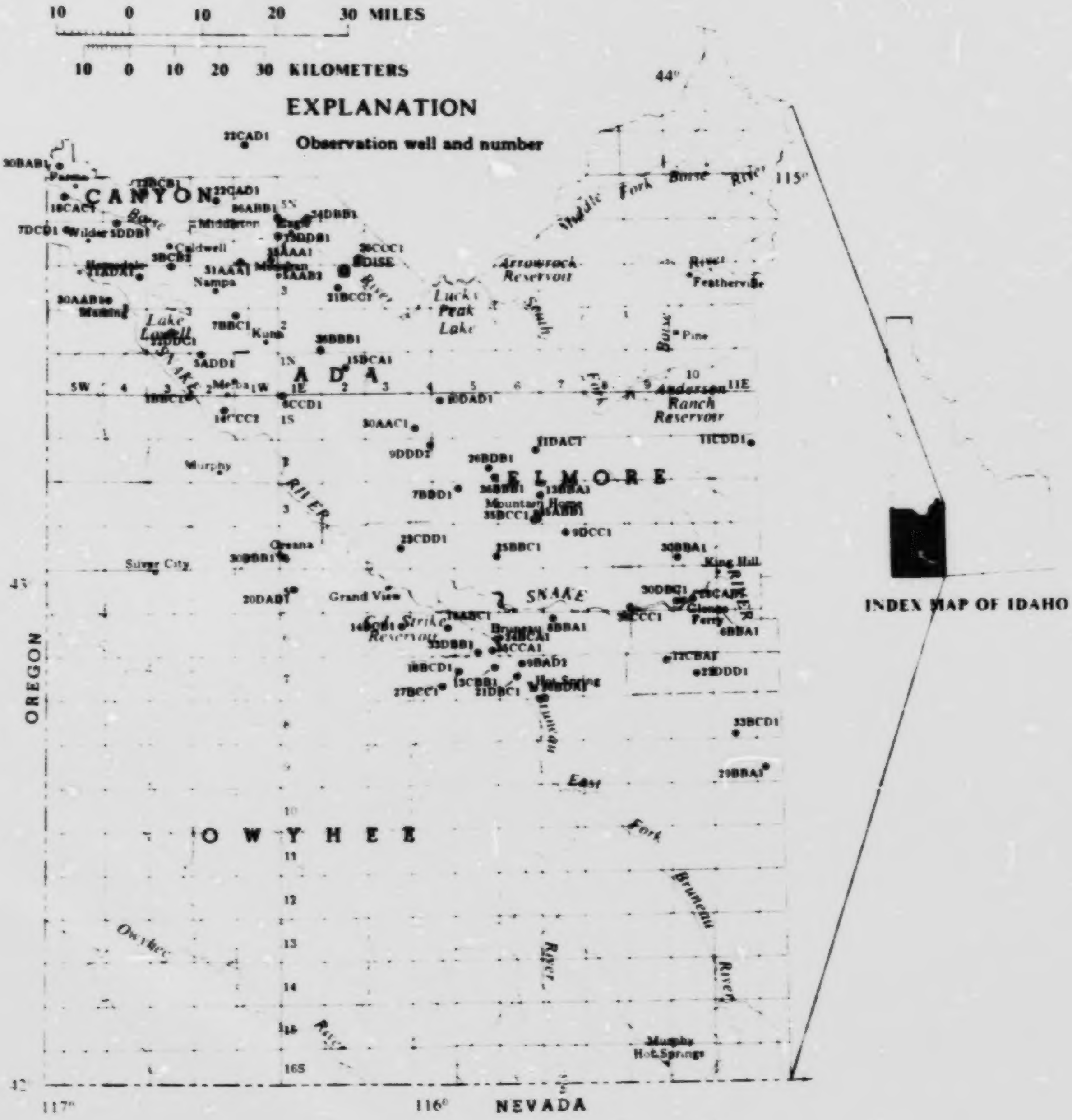
10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
EXPLANATION
23CAD1 Observation well and number
CANYON
ADA
ELMORE
OWYHEE
OREGON
NEVADA
INDEX MAP OF IDAHO
Parma
Wilder
Caldwell
Middleton
Nampa
Meridian
BOISE
Kuna
Melba
Murphy
Marsing
Lake Lowell
Silver City
Oreana
Grand View
C.J. Strike Reservoir
Bruneau
Mountain Home
King Hill
Glenns Ferry
Hot Spring
Murphy Hot Springs
Pine
Featherville
Arrowrock Reservoir
Lucky Peak Lake
Anderson Ranch Reservoir
Middle Fork Boise River
South Fork
Boise River
Snake River
Bruneau River
East Fork Bruneau River
Owyhee River
44°
43°
42°
117°
116°
115°
5W
1W
1E
11E
1N
1S
16S
5N
30BAB1
18CAC1
7DCD1
5DDB1
22CAD1
36ABB1
24DBB1
13DDB1
3BCB1
31AAA1
26CCC1
21BCC1
30AAB1
7BBC1
36BBB1
15DCA1
5ADD1
6CCD1
16CC2
30AAC1
9DDD2
11DACT
11CDD1
26BDB1
7BDD1
35BCC1
13BBA1
9DCC1
23CDD1
35BBC1
30BBA1
30DBB1
20DAB1
30DBC1
6BBA1
33DBB1
18BCD1
27BCC1
9BAD1
13CBA1
22DDD1
33BCD1
29BBA1

Figure 32.--Observation-well locations in southwest Idaho.

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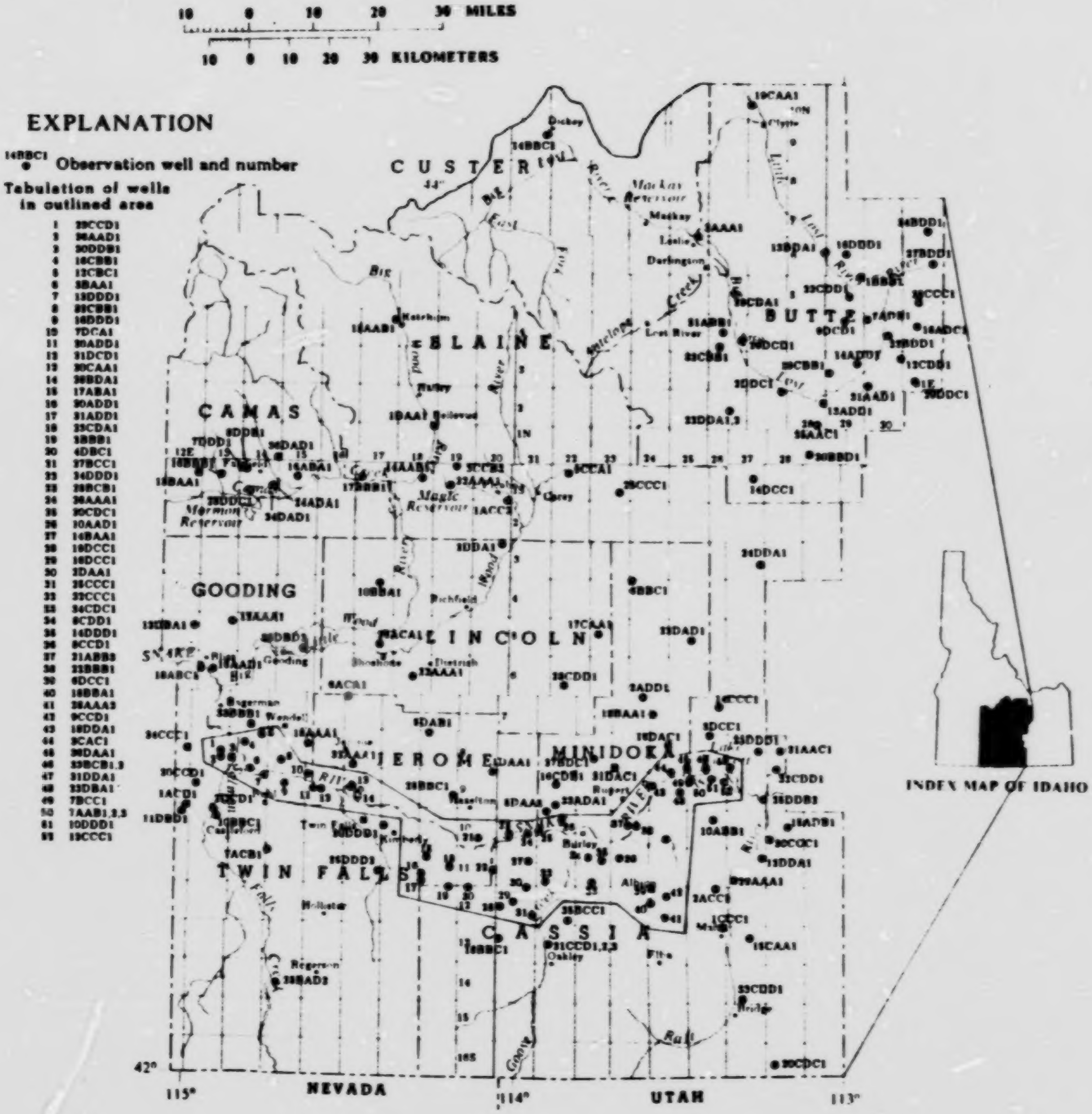
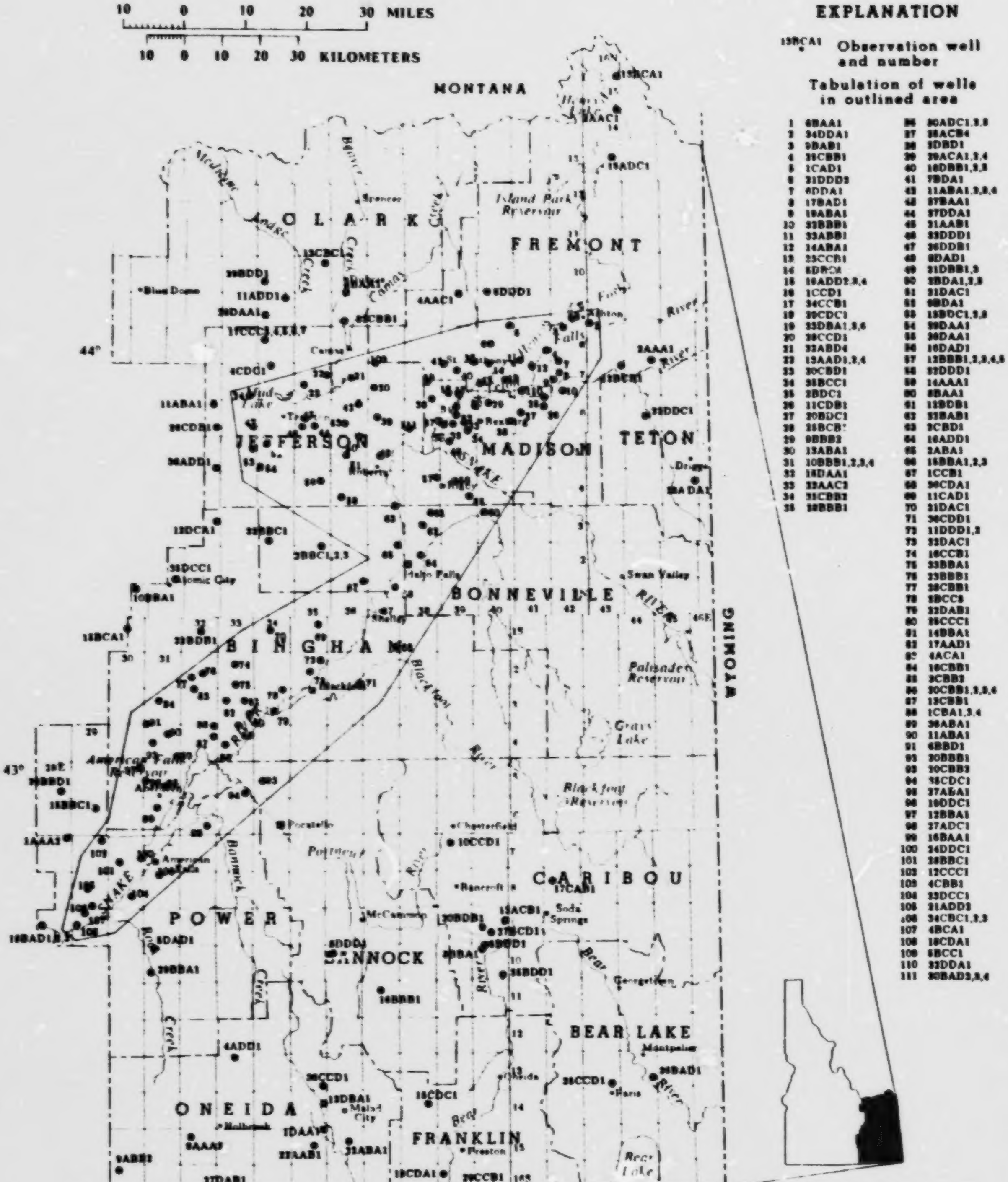

10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
EXPLANATION
14BBC1 Observation well and number
Tabulation of wells in outlined area
1 29CCD1
2 36AAD1
3 30DDB1
4 16CBB1
5 12CBC1
6 3BAA1
7 13DDD1
8 29CBB1
9 16DDD1
10 7DCA1
11 30ADD1
12 31DCD1
13 30CAA1
14 30BDA1
15 17ABA1
16 30ADD1
17 31ADD1
18 25CDA1
19 3BBB1
20 4DBC1
21 27BCC1
22 34DDD1
23 28BCB1
24 26AAA1
25 20CDC1
26 10AAD1
27 14BAA1
28 10DCC1
29 16DCC1
30 2DAA1
31 25CCC1
32 32CCC1
33 34CDC1
34 8CDD1
35 14DDD1
36 8CCD1
37 21ABB8
38 22BBB1
39 6DCC1
40 18BBA1
41 28AAA2
42 9CCD1
43 18DDA1
44 3CAC1
45 30DAA1
46 23BCB1,2
47 31DDA1
48 23DBA1
49 7BCC1
50 7AAB1,2,3
51 10DDD1
52 13CCC1
CUSTER
BLAINE
BUTTE
CAMAS
GOODING
LINCOLN
JEROME
MINIDOKA
TWIN FALLS
CASSIA
NEVADA
UTAH
42°
115°
114°
113°
INDEX MAP OF IDAHO

BEST COPY AVAILABLE

Figure 33.--Observation-well locations in south-central Idaho.


10 0 10 20 30 MILES
10 0 10 20 30 KILOMETERS
MONTANA
WYOMING
UTAH
CLARK
FREMONT
JEFFERSON
MADISON
TETON
BONNEVILLE
BINGHAM
CARIBOU
POWER
BANNOCK
BEAR LAKE
ONEIDA
FRANKLIN
Island Park Reservoir
Palisades Reservoir
Grays Lake
Blackfoot Reservoir
American Falls Reservoir
Bear Lake
Snake River
Blackfoot River
Portneuf River
Bear River
Bannock Creek
Spencer
Dubois
Blue Dome
Camas
Mud Lake
Terreton
Roberts
Rigby
Rexburg
St. Anthony
Ashton
Driggs
Idaho Falls
Shelley
Blackfoot
Atomic City
Aberdeen
American Falls
Pocatello
Chesterfield
Bancroft
McCammon
Soda Springs
Georgetown
Montpelier
Paris
Malad City
Holbrook
Preston
Swan Valley
44°
43°
42°
113°
112°
EXPLANATION
13BCA1 Observation well and number
INDEX MAP OF IDAHO

Tabulation of wells in outlined area

1	6BAA1	36	30ADC1,2,3
2	34DDA1	37	35ACB4
3	9DAB1	38	2DBD1
4	28CBB1	39	20ACA1,3,4
5	1CAD1	40	10DBB1,2,3
6	21DDD2	41	7BDA1
7	6DDA1	42	11ABA1,2,3,4
8	17BAD1	43	27BAA1
9	19ABA1	44	27DDA1
10	22BBB1	45	21AAB1
11	33ABB1	46	33DDD1
12	14ABA1	47	26DDB1
13	23CCB1	48	8DAD1
14	5DBC2	49	21DBB1,2
15	10ADD2,3,4	50	2BDA1,2,3
16	1CCD1	51	21DAC1
17	34CCB1	52	9BDA1
18	20CDC1	53	13BDC1,2,3
19	23DBA1,3,6	54	29DAA1
20	28CCD1	55	30DAA1
21	32ABD4	56	10DAD1
22	13AAD1,3,4	57	12BBB1,2,3,4,5
23	30CBD1	58	32DDD1
24	35BCC1	59	14AAA1
25	2BDC1	60	8BAA1
26	11CDB1	61	12BDB1
27	20BDC1	62	33BAB1
28	25BCB1	63	2CBD1
29	9BBB2	64	16ADD1
30	13ABA1	65	2ABA1
31	10BBB1,2,3,4	66	15BBA1,2,3
32	18DAA1	67	1CCB1
33	22AAC2	68	30CDA1
34	21CBB2	69	11CAD1
35	19BBB1	70	21DAC1
		71	30CDD1
		72	11DDD1,2
		73	22DAC1
		74	10CCB1
		75	33BBA1
		76	23BBB1
		77	28CBB1
		78	3BCC3
		79	22DAB1
		80	28CCC1
		81	14BBA1
		82	17AAD1
		83	4ACA1
		84	10CBB1
		85	3CBB2
		86	30CBB1,2,3,4
		87	13CBB1
		88	1CBA1,3,4
		89	36ABA1
		90	11ABA1
		91	6BBD1
		92	20BBB1
		93	20CBB2
		94	28CDC1
		95	27ABA1
		96	19DDC1
		97	12BBA1
		98	27ADC1
		99	16BAA1
		100	24DDC1
		101	28BBC1
		102	12CCC1
		103	4CBB1
		104	23DCC1
		105	21ADD2
		106	34CBC1,2,3
		107	4BCA1
		108	18CDA1
		109	5BCC1
		110	32DDA1
		111	30BAD2,3,4

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Figure 34.--Observation-well locations in southeast Idaho.

ADA COUNTY

WELL 05N 01W 36ABB1 SITE NUMBER 434406116240801

DRILLED DOMESTIC WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 105 FT, CASED TO 105 FT, OPEN BOTTOM. LSD ABOUT 2,618 FT NGVD OF 1929. MP NO. 1 TOP OF PIPE IN WELL SEAL, 0.70 FT BELOW LSD (SINCE AUG. 27, 1969).

RECORDS AVAILABLE 1969 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 68.84 FEET BELOW LAND SURFACE DATUM SEP 16, 1986.

LOWEST WATER LEVEL 78.02 FEET BELOW LAND SURFACE DATUM MAY 18, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	74.38	S	SEP 16, 1986	68.84	S

WELL 05N 01E 34DBB1 SITE NUMBER 434341116192001

DRILLED IRRIGATION WATER-TABLE WELL IN YOUNGER TERRACE GRAVEL, DIAM 14 IN, REPORTED DEPTH 175 FT, CASED TO 175 FT, PERFORATED 0-175 FT, LSD ABOUT 2,680 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF 1/4-IN HOLE IN CASING SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE DEC. 16, 1966).

RECORDS AVAILABLE 1966 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.33 FEET BELOW LAND SURFACE DATUM SEP 25, 1984.

LOWEST WATER LEVEL 31.05 FEET BELOW LAND SURFACE DATUM MAY 29, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	29.09	S	JUL 28, 1986	25.38	S	SEP 16, 1986	24.65	S

WELL 04N 01W 13DDB1 SITE NUMBER 434048116235101

DRILLED IRRIGATION ARTESIAN WELL IN GLENNS FERRY FORMATION, DIAM 3 IN, DEPTH 130 FT, CASING DEPTH NOT AVAILABLE. LSD 2,524.96 FT NGVD OF 1929. MP NO. 1 TOP OF 3-IN CASING, 1.30 FT ABOVE LSD (SINCE MAR. 2, 1950).

RECORDS AVAILABLE 1950 - 1956, 1957 - 1966, 1967 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.72 FEET ABOVE LAND SURFACE DATUM OCT 22, 1952.

LOWEST WATER LEVEL 4.46 FEET ABOVE LAND SURFACE DATUM MAR 27, 1981.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	7.05	M	MAR 27, 1986	7.56	M	JUL 28, 1986	5.50	M	SEP 19, 1986	8.39	M
JAN 21, 1986	6.70	M	MAY 13	5.59	M						

ADA COUNTY -- CONTINUED

WELL 04N 01W 31AAA1 SITE NUMBER 433852116293401

DRILLED IRRIGATION ARTESIAN WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 462 FT, CASED TO 455 FT. LSD ABOUT 2,508 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING PLUG, 3.50 FT ABOVE LSD (SINCE APR. 28, 1967).

RECORDS AVAILABLE 1967 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 30.62 FEET ABOVE LAND SURFACE DATUM DEC 04, 1968.

LOWEST WATER LEVEL 12.48 FEET ABOVE LAND SURFACE DATUM MAR 23, 1981.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	22.86	M	SEP 16, 1986	21.69	M

WELL 04N 01W 35AAA1 SITE NUMBER 433852116244801

DUG UNUSED WATER-TABLE WELL IN YOUNGER TERRACE GRAVEL, DIAM 24 IN, DEPTH 44 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,570.60 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. WATER LEVEL INFLUENCED BY LOCAL IRRIGATION. JULY 24, 1973, WELL HAD FILLED IN TO A DEPTH OF 32.2 FT. MEASUREMENTS MADE OCT. 13, 1933, THROUGH MAR. 1, 1947, AND NOV. 4, 1947, THROUGH MAR. 11, 1951, MADE BY NAMPA-MERIDIAN IRRIGAITON DISTRICT. RECORDER INSTALLED MAY 15, 1953. RECORDER CHANGED TO DIGITAL RECORDER SEPT. 16, 1975. MP NO. 1 TOP OF CASING NORTH SIDE, 1.30 FT ABOVE LSD (SINCE MAY 22, 1953).

RECORDS AVAILABLE 1933 - 1951, 1952, 1953 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.73 FEET BELOW LAND SURFACE DATUM JUL 10, 1974.

LOWEST WATER LEVEL 12.20 FEET BELOW LAND SURFACE DATUM MAR 15, 1935.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	5.76	JAN 10, 1986	9.40	APR 10, 1986	8.55	JUL 15, 1986	3.41
10	6.10	15	3.49	15	8.75	20	3.71
15	6.51	17	9.67	20	8.90	25	3.59
20	6.80	20	9.41	25	8.98	31	3.92
25	7.11	25	9.49	30	8.41	AUG 05	3.46
31	7.40	31	9.43	MAY 05	7.70	10	3.46
NOV 05	7.65	FEB 05	8.85	10	7.44	15	3.60
10	7.78	10	8.53	15	6.73	20	3.53
15	8.05	15	8.47	20	5.79	25	2.92
20	8.19	20	7.38	25	5.68	31	3.12
25	8.35	25	5.96	31	4.60	SEP 03	2.39
30	8.50	28	6.15	JUN 05	4.28	05	2.85
DEC 05	8.58	MAR 05	6.74	10	3.91	10	3.52
10	8.67	10	6.97	15	4.45	15	3.76
15	8.80	15	7.26	20	4.03	20	4.15
20	8.96	20	7.43	25	3.50	25	4.09
25	9.14	25	7.78	30	4.01	30	4.43
31	9.28	31	8.11	JUL 05	3.28		
JAN 05, 1986	9.36	APR 05	8.31	10	3.46		

WELL 04N 02E 26CCC1 SITE NUMBER 433856116113001

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 12 IN, REPORTED DEPTH 741 FT, CASED TO 741 FT, PERFORATED 210-741 FT. LSD 2,877.30 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. FEB. 13, 1975, WELL HAD FILLED IN TO A DEPTH OF 730.2 FT. MP NO. 1 BOTTOM EDGE OF 6 3/8-IN PIPE, 1.50 FT ABOVE LSD (SINCE MAR. 11, 1975).

RECORDS AVAILABLE 1967 - 1975, 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 81.13 FEET BELOW LAND SURFACE DATUM MAY 02, 1967.

LOWEST WATER LEVEL 238.50 FEET BELOW LAND SURFACE DATUM JUL 26, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	174.28	V	MAR 27, 1986	164.26	S	MAY 22, 1986	178.12	V	AUG 01, 1986		O

WELL 03N 01E 05AAB2 SITE NUMBER 433802116213101

DRILLED OBSERVATION WATER-TABLE WELL IN YOUNGER TERRACE GRAVEL, DIAM 6 TO 4 IN, DEPTH 82.4 FT, 6-IN CASING 0-79 FT, 4-IN CASING 69.5-82 FT, SCREENED 77.5-82 FT. LSD 2,616.02 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 24, 1953. RECORDER REMOVED NOV. 16, 1954. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE SEPT. 24, 1953).

RECORDS AVAILABLE 1953 - 1954, 1955 - 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.24 FEET BELOW LAND SURFACE DATUM SEP 11, 1974.

LOWEST WATER LEVEL 16.04 FEET BELOW LAND SURFACE DATUM MAY 17, 1955.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	11.23	S	SEP 16, 1986	4.20	S

WELL 03N 02E 11BAB1 SITE NUMBER 4337051161[illegible]601

DRILLED OBSERVATION GEOTHERMAL ARTESIAN WELL IN UNKNOWN AQUIFER, DIAM 7 TO 3 1/4 IN, DEPTH 1,222 FT, 7-IN CASING 0-610 FT, 3 1/4-IN CASING 610-1,222 FT, PERFORATED INTERVAL NOT AVAILABLE. LSD 2,742.7 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 3 TOP OF INSIDE EDGE OF 8-IN CASING EAST SIDE, 2.75 FT ABOVE LSD (SINCE JAN. 29, 1986).

RECORDS AVAILABLE 1986.

HIGHEST WATER LEVEL 4.65 FEET ABOVE LAND SURFACE DATUM SEP 08, 1986.

LOWEST WATER LEVEL 14.69 FEET BELOW LAND SURFACE DATUM FEB 26, 1986.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
JAN 17, 1986	-12.05	S	MAR 20, 1986	-14.13	MAY 25, 1986	-12.19	JUL 31, 1986	0.17	
29	-12.65	S	25	-14.15	31	-11.18	AUG 05	0.98	
31	-12.69		31	-13.65	JUN 05	-10.50	10	1.77	
FEB 05	-13.13		APR 05	-13.56	10	-9.73	15	2.14	
10	-13.70		10	-13.58	15	-7.96	18	2.33	
15	-13.34		15	-13.30	20	-7.09	25	3.16	M
20	-14.30		20	-13.65	25	-6.11	SEP 02	3.86	M
25	-14.12		25	-13.34	30	-5.08	08	4.65	M
26	-14.69		30	-13.33	JUL 05	-4.13	16	2.86	M
28	-14.21		MAY 05	-12.89	10	-3.25	22	0.57	
MAR 05	-14.05		10	-12.57	15	-2.06	25	-0.05	
10	-13.43		15	-12.88	20	-1.46	30	-1.12	
15	-13.67		20	-12.23	24	-0.70			

WELL 03N 02E 21BCC1 SITE NUMBER 433502116135201

DRILLED UNUSED WATER-TABLE WELL IN YOUNGER TERRACE GRAVEL, DIAM 14 IN, DEPTH 58 FT, CASING DEPTH NOT AVAILABLE, PERFORATED, INTERVAL NOT AVAILABLE. LSD 2,751.09 FT NGVD OF 1929. MP NO. 3 TOP OF 1 1/2-IN PIPE EAST SIDE, 2.18 FT ABOVE LSD (SINCE JAN. 24, 1975).

RECORDS AVAILABLE 1947 - 1950, 1951 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.34 FEET BELOW LAND SURFACE DATUM AUG 18, 1955.

LOWEST WATER LEVEL 19.11 FEET BELOW LAND SURFACE DATUM MAY 26, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	15.27	S	JUL 31, 1986	10.42	S	SEP 12, 1986	8.62	S

WELL 02N 01E 36BBB1 SITE NUMBER 432825116173501

DRILLED STOCK WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, DEPTH 305 FT, CASED TO 300 FT. LSD ABOUT 2,867 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN THREAD PROTECTOR NORTHEAST SIDE, 1.20 FT ABOVE LSD (SINCE NOV. 28, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 249.83 FEET BELOW LAND SURFACE DATUM JAN 31, 1974.

LOWEST WATER LEVEL 258.70 FEET BELOW LAND SURFACE DATUM SEP 14, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 29, 1985	254.71	S	MAR 26, 1986	253.40	S	JUL 31, 1986	256.27	S	SEP 12, 1986	256.55	S
JAN 22, 1986	253.84	S	MAY 13	253.57	S						

WELL 01N 02E 15DCA1 SITE NUMBER 432504116115901

DRILLED UNUSED WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 600 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,970 FT NGVD OF 1929. MP NO. 3 TOP OF WEST 8X16-IN TIMBER EAST EDGE, 1.40 FT ABOVE LSD (SINCE MAY 14, 1970).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 361.43 FEET BELOW LAND SURFACE DATUM NOV 28, 1967.

LOWEST WATER LEVEL 366.85 FEET BELOW LAND SURFACE DATUM NOV 24, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 29, 1985	365.40	S	MAR 26, 1986	365.60	S	JUL 31, 1986	365.80	S	SEP 12, 1986	365.61	S
JAN 22, 1986	365.73	S	MAY 13	365.23	S						

WELL 01S 01E 06CCD1 SITE NUMBER 432127116231701

DRILLED UNUSED WATER-TABLE WELL IN IDAHO GROUP, DIAM 16 IN, DEPTH 597 FT, CASED TO 597 FT, PERFORATED 442-487 FT, 530-582 FT, 585-597 FT. LSD ABOUT 2,965 FT NGVD OF 1929. MAY 19, 1967, WELL HAD FILLED IN TO A DEPTH OF 560.3 FT. RECORDER INSTALLED MAY 22, 1967. RECORDER REMOVED SEPT. 27, 1971. MP NO. 1 TOP OF 16-IN CASING NORTHEAST SIDE, 0.90 FT ABOVE LSD (SINCE DEC. 28, 1966).

RECORDS AVAILABLE 1966, 1967 - 1971, 1972 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 433.30 FEET BELOW LAND SURFACE DATUM APR 24, 1974.

LOWEST WATER LEVEL 436.02 FEET BELOW LAND SURFACE DATUM DEC 28, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	434.48	S	JUL 31, 1986	434.66	S	SEP 12, 1986	434.45	S

WELL 01S 04E 30AAC1 SITE NUMBER 431839116010701

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 12 IN, DEPTH 750 FT, CASED TO 550 FT. LSD ABOUT 3,150 FT NGVD OF 1929. MAY 24, 1967, WELL HAD FILLED IN TO A DEPTH OF 636.8 FT. RECORDER INSTALLED JUNE 5, 1967. RECORDER REMOVED NOV. 23, 1971. MP NO. 2 TOP OF 12-IN CASING EAST SIDE, 3.00 FT ABOVE LSD (SINCE JUNE 1, 1967).

RECORDS AVAILABLE 1967 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 482.14 FEET BELOW LAND SURFACE DATUM SEP 19, 1986.

LOWEST WATER LEVEL 487.98 FEET BELOW LAND SURFACE DATUM OCT 15, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	482.35	S	MAR 24, 1986	482.26	S	JUL 29, 1986	482.28	S	SEP 19, 1986	482.14	S
JAN 24, 1986	482.48	S									

WELL 02S 04E 09DDD2 SITE NUMBER 431534115583502

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 6 IN, DEPTH 600 FT, CASED TO 226 FT. LSD ABOUT 3,122 FT NGVD OF 1929. JAN. 9, 1969, WELL HAD FILLED IN TO A DEPTH OF 570 FT. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 0.80 FT ABOVE LSD (SINCE DEC. 21, 1960).

RECORDS AVAILABLE 1960, 1967 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 418.71 FEET BELOW LAND SURFACE DATUM SEP 19, 1977.

LOWEST WATER LEVEL 428.44 FEET BELOW LAND SURFACE DATUM SEP 19, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	427.14	S	MAR 24, 1986	425.83	S	JUL 29, 1986	427.93	S	SEP 19, 1986	428.44	S
JAN 24, 1986	426.68	S	MAY 14	425.77	S						

WELL 17N 01W 15AAC1 SITE NUMBER 444854116262301

DRILLED DOMESTIC WATEP-TABLE WELL IN SEDIMENTS OF TERTIARY AGE, DIAM 6 IN, REPORTED DEPTH 131 FT, CASED TO 109 FT. LSD ABOUT 3,115 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 1.50 FT ABOVE LSD (SINCE APR. 4, 1974).

RECORDS AVAILABLE 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 95.07 FEET BELOW LAND SURFACE DATUM MAY 15, 1974.

LOWEST WATER LEVEL 100.33 FEET BELOW LAND SURFACE DATUM DEC 06, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 03, 1986	95.50	S	JUL 17, 1986	96.78	S

WELL 16N 01W 03DDD2 SITE NUMBER 444447116255701

DRILLED UNUSED WATER-TABLE WELL IN SEMICONSOLIDATED GRAVEL OF QUATERNARY AGE, DIAM 12 IN, DEPTH 78.6 FT, CASED TO 7 FT, PERFORATED 2-6 FT. LSD ABOUT 2,985 FT NGVD OF 1929. MP NO. 1 TOP OF 12-IN CASING SOUTH SIDE, 0.80 FT ABOVE LSD (SINCE NOV. 30, 1961).

RECORDS AVAILABLE 1961, 1967 - 1973, 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.25 FEET BELOW LAND SURFACE DATUM MAR 06, 1979.

LOWEST WATER LEVEL 17.80 FEET BELOW LAND SURFACE DATUM JUL 16, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 04, 1986	3.12	S	JUL 17, 1986	8.48	S

WELL 16N 01W 22BAA1 SITE NUMBER 444256116263401

DRILLED IRRIGATION WATER-TABLE WELL IN COLUMBIA RIVER GROUP, DIAM 10 IN, REPORTED DEPTH 390 FT, CASED TO 28 FT. LSD ABOUT 2,950 FT NGVD OF 1929. MP NO. 1 HOLE IN 10-IN CASING COVER EAST SIDE, 0.40 FT ABOVE LSD (SINCE JULY 9, 1974).

RECORDS AVAILABLE 1974, 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 56.33 FEET BELOW LAND SURFACE DATUM APR 30, 1976.

LOWEST WATER LEVEL 71.84 FEET BELOW LAND SURFACE DATUM SEP 16, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 04, 1985	59.53	S	MAR 04, 1986	57.65	S	MAY 13, 1986	57.97	S	AUG 28, 1986	63.66	S
JAN 21, 1986	58.34	S									

ADAMS COUNTY -- CONTINUED

WELL 15N 01W 22BAD1 SITE NUMBER 443736116263701

DRILLED DOMESTIC WATER-TABLE WELL IN SEDIMENTS OF TERTIARY AGE, DIAM 8 IN, REPORTED DEPTH 175 FT, CASED TO 84 FT. LSD ABOUT 3,260 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE APR. 17, 1975).

RECORDS AVAILABLE 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 112.61 FEET BELOW LAND SURFACE DATUM APR 17, 1975.

LOWEST WATER LEVEL 121.04 FEET BELOW LAND SURFACE DATUM JUL 17, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 04, 1986	119.49	S	JUL 17, 1986	119.55	S

WELL 05S 34E 20CBB2 **SITE NUMBER 425816112305102**

FORMERLY SITE ID NO. 425818112305202. DRILLED DOMESTIC WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 154.7 FT, CASED TO 154.7 FT, OPEN BOTTOM. LSD ABOUT 4,455 FT NGVD OF 1929. MP NO. 1 TOP OF VENT HOLE IN WELL SEAL WEST SIDE, 0.60 FT ABOVE LSD (SINCE SEPT. 15, 1964).

RECORDS AVAILABLE 1964 - 1971, 1973 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 50.01 FEET BELOW LAND SURFACE DATUM SEP 24, 1973.

LOWEST WATER LEVEL 54.60 FEET BELOW LAND SURFACE DATUM JUL 14, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	50.30	S	FEB 14, 1986	51.78	S	JUN 10, 1986	51.93	S	SEP 22, 1986	51.70	S
NOV 15	50.88	S	MAR 21	51.54	S	JUL 21	51.97	S			
DEC 18	51.43	S	APR 23	51.54	S	AUG 19	51.28	S			
JAN 16, 1986	51.66	S	MAY 13	51.11	S	SEP 15	50.57	S			

WELL 10S 36E 08DDD1 **SITE NUMBER 423347112161001**

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, REPORTED DEPTH 216 FT, CASED TO 216 FT, PERFORATED 115-120 FT, 128-132 FT, 138-140 FT, 170-212 FT. LSD ABOUT 5,020 FT NGVD OF 1929. MP NO. 2 HOLE IN CASING COVER SOUTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE DEC. 14, 1972).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 58.53 FEET BELOW LAND SURFACE DATUM JUL 01, 1986.

LOWEST WATER LEVEL 73.31 FEET BELOW LAND SURFACE DATUM FEB 09, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 25, 1985	62.02	S	JAN 22, 1986	62.57	S	JUL 01, 1986	58.53	S	SEP 22, 1986	59.64	S

WELL 11S 37E 16BBB1 **SITE NUMBER 422821112085701**

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 16 IN, DEPTH 64.6 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,842 FT NGVD OF 1929. MP NO. 1 TOP OF CASING WEST SIDE, 0.60 FT ABOVE LSD (SINCE OCT. 24, 1968).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.09 FEET BELOW LAND SURFACE DATUM SEP 08, 1982.

LOWEST WATER LEVEL 14.82 FEET BELOW LAND SURFACE DATUM MAY 20, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 25, 1985	10.93	S	JAN 23, 1986	11.91	S	JUL 01, 1986	9.94	S	SEP 22, 1986	9.19	S

WELL 13S 43E 35CCD1 SITE NUMBER 421433111240401

FORMERLY SITE ID NO. 421433111235401. DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 8 IN, REPORTED DEPTH 500 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,950 FT NGVD OF 1929. MP NO. 3 TOP OF 8-IN CASING NORTH SIDE, 4.00 FT BELOW LSD (SINCE SEPT. 9, 1985).

RECORDS AVAILABLE 1967 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.78 FEET BELOW LAND SURFACE DATUM AUG 15, 1968.

LOWEST WATER LEVEL 20.95 FEET BELOW LAND SURFACE DATUM JAN 23, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	20.75	S	JAN 23, 1986	20.95	S	JUL 01, 1986	16.95	S	SEP 24, 1986	19.98	S

WELL 13S 44E 26BAD1 SITE NUMBER 421602111164001

FORMERLY SITE ID NO. 421606111164201. DRILLED IRRIGATION WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 14 IN, REPORTED DEPTH 170 FT, CASED TO 170 FT, PERFORATED 20-170 FT. LSD ABOUT 5,970 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN PUMPBASE SOUTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE SEPT. 20, 1967).

RECORDS AVAILABLE 1967 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.95 FEET BELOW LAND SURFACE DATUM SEP 09, 1985.

LOWEST WATER LEVEL 24.45 FEET BELOW LAND SURFACE DATUM APR 08, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	18.38	S	JAN 23, 1986	21.32	S	JUL 01, 1986	15.82	S	SEP 24, 1986	17.09	S

WELL 03N 32E 13DCA1 SITE NUMBER 433509112384801

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 790 FT, CASED TO 790 FT, PERFORATED 680-730 FT, 737-787 FT, GRAVEL PACKED 0-787 FT, CONCRETE SEAL 787-790 FT. LSD 5,165.51 FT NGVD OF 1929, BASED ON ELEVATION OF 1947 (PRELIMINARY). MP NO. 4 TOP OF 10-IN CASING NORTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE MAY 28, 1980).

RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 672.06 FEET BELOW LAND SURFACE DATUM MAR 14, 1973.

LOWEST WATER LEVEL 680.32 FEET BELOW LAND SURFACE DATUM AUG 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	674.38	S	FEB 07, 1986	673.23	S	APR 19, 1986	673.75	S	MAY 02, 1986	673.59	S
DEC 02	673.98	S									

WELL 02N 31E 35DCC1 SITE NUMBER 432700112470801

FORMERLY SITE ID NO. 432701112471101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 636 FT, 6-IN CASING 0-433 FT, 5-IN CASING 423-636 FT, PERFORATED 600-630 FT. LSD 5,023.68 FT NGVD OF 1929, BASED ON ELEVATION OF 1947 (PRELIMINARY). RECORDER INSTALLED JAN. 3, 1950. RECORDER REMOVED MAR. 25, 1974. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 1.49 FT ABOVE LSD (SINCE DEC. 5, 1949).

RECORDS AVAILABLE 1949, 1950 - 1956, 1957 - 1964, 1965 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 582.10 FEET BELOW LAND SURFACE DATUM NOV 12, 1951.

LOWEST WATER LEVEL 588.20 FEET BELOW LAND SURFACE DATUM AUG 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	583.47	S	FEB 05, 1986	583.71	S	MAY 29, 1986	583.92	S	SEP 29, 1986	583.95	S
NOV 25	583.28	S	27	583.98	S	JUN 24	584.02	S			
DEC 24	583.33	S	MAR 24	583.89	S	JUL 26	584.08	S			
JAN 24, 1986	583.46	S	APR 19	584.10	S	AUG 28	584.16	S			

WELL 01N 30E 10BBA1 SITE NUMBER 432618112555501

FORMERLY SITE ID NO. 432620112561301, WELL NO. 01N 30E 10BBB1. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 563.8 FT, CASING DEPTH NOT AVAILABLE. LSD 4,979.39 FT NGVD OF 1929. ORIGINAL DEPTH 569 FT FROM WSP 775. MP NO. 3 TOP OF PUMP COLUMN LINER NORTHEAST SIDE, 1.81 FT ABOVE LSD (SINCE APR. 6, 1950).

RECORDS AVAILABLE 1922, 1949 - 1951, 1952 TO CURRENT YEAR.

HIGHEST WATER LEVEL 527.36 FEET BELOW LAND SURFACE DATUM APR 20, 1950.

LOWEST WATER LEVEL 553.94 FEET BELOW LAND SURFACE DATUM AUG 26, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	549.18	S	DEC 04, 1985	548.48	S	FEB 04, 1986	549.52	S	APR 22, 1986	549.70	S

WELL 01S 30E 15BCA1 SITE NUMBER 432019112563201

FORMERLY SITE ID NO. 432019112565101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 751.5 FT, 6-IN CASING 0-570 FT, 5-IN CASING 560-752 FT, LEAD SEAL AT 550 FT. LSD 5,133.08 FT NGVD OF 1929, BASED ON ELEVATIONS OF 1949 (PRELIMINARY). RECORDER INSTALLED DEC. 14, 1951. RECORDER REMOVED AUG. 18, 1960. MP NO. 2 TOP OF 6 1/4-IN THREADED CASING, 1.36 FT ABOVE LSD (SINCE JUNE 27, 1951).

RECORDS AVAILABLE 1951 - 1960, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 709.80 FEET BELOW LAND SURFACE DATUM OCT 24, 1951.

LOWEST WATER LEVEL 715.97 FEET BELOW LAND SURFACE DATUM JUL 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	711.63	S	DEC 04, 1985	711.86	S	FEB 04, 1986	712.33	S	APR 22, 1986	712.23	S

WELL 01S 32E 22BDB1 SITE NUMBER 431929112421701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 400 FT, CASED TO 22.5 FT. LSD ABOUT 4,740 FT NGVD OF 1929. MP NO. 1 HOLE IN PUMPBASE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 7, 1957).

RECORDS AVAILABLE 1957, 1970, 1972, 1980, 1981 - 1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 315.71 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 321.11 FEET BELOW LAND SURFACE DATUM JUL 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 08, 1986	316.30	S	JUL 30, 1986	316.66	S	AUG 20, 1986	317.07	P S	SEP 26, 1986	315.71	S

BINGHAM COUNTY -- CONTINUED

WELL 01S 34E 21DAC1 SITE NUMBER 431902112284301

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,547 FT ABOVE LSD NGVD OF 1929. MP NO. 1 BOTTOM LIP OF SLOPING PIPE, 1.60 FT ABOVE LSD (SINCE MAR. 28, 1980).

RECORDS AVAILABLE 1980, 1981 - 1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 107.90 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 112.80 FEET BELOW LAND SURFACE DATUM JUL 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	108.80	S	JUL 30, 1986	110.02	S	AUG 20, 1986	108.69	S	SEP 26, 1986	107.90	S

WELL 01S 35E 11CAD1 SITE NUMBER 432042112193201

DRILLED IRRIGATION WATER-TABLE IN SNAKE RIVER GROUP, DIAM 18 IN, REPORTED DEPTH 297 FT, CASED TO 15 FT. LSD ABOUT 4,662 FT NGVD OF 1929. MP NO. 1 HOLE IN PUMPBASE EAST SIDE, 0.30 FT ABOVE LSD (SINCE JUNE 20, 1957).

RECORDS AVAILABLE 1957, 1966 - 1971, 1972 - 1977, 1978 - 1981, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 169.94 FEET BELOW LAND SURFACE DATUM NOV 08, 1984.

LOWEST WATER LEVEL 175.88 FEET BELOW LAND SURFACE DATUM MAY 27, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 21, 1986	172.34	S	JUL 30, 1986	172.27	S	SEP 15, 1986	171.11	S

WELL 01S 37E 36CDA1 SITE NUMBER 431705112041301

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, DEPTH 414.9 FT, CASED TO 350 FT. LSD ABOUT 4,780 FT NGVD OF 1929. MP NO. 1 TOP OF 16-IN CASING SOUTHWEST SIDE FLUSH WITH CONCRETE PLATFORM AT LSD (SINCE MAR. 28, 1958).

RECORDS AVAILABLE 1958 - 1968, 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 230.00 FEET BELOW LAND SURFACE DATUM SEP 25, 1972.

LOWEST WATER LEVEL 262.68 FEET BELOW LAND SURFACE DATUM SEP 17, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 19, 1986	247.40	S	SEP 15, 1986	237.41	S

WELL 02S 32E 23BBB1 SITE NUMBER 431422112411901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 194.0 FT, CASED TO 0-172 FT. LSD 4,585.32 FT NGVD OF 1929. NOV. 2, 1971, WELL HAD FILLED IN TO A DEPTH 182.2 FT. RECORDER INSTALLED APR. 7, 1960. RECORDER REMOVED SEPT. 22, 1960. MP NO. 3 TOP OF CASING WEST SIDE, 2.00 FT ABOVE LSD (SINCE APR. 7, 1960).

RECORDS AVAILABLE 1951 - 1953, 1954 - 1957, 1958 - 1959, 1960, 1961 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 162.75 FEET BELOW LAND SURFACE DATUM OCT 19, 1951.

LOWEST WATER LEVEL 169.88 FEET BELOW LAND SURFACE DATUM JUL 17, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	165.23	S	MAR 17, 1986	165.75	S	JUL 30, 1986	166.36	S	SEP 26, 1986	165.24	S
JAN 21, 1986	165.90	S	MAY 16	165.69	S						

WELL 02S 32E 28CBB1 SITE NUMBER 431310112434801

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,575 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF 1 1/2-IN PIPE COUPLING ON SLOPING PIPE AT NORTHEAST CORNER OF PUMPBASE, 1.40 FT ABOVE LSD (SINCE MAR. 26, 1980).

RECORDS AVAILABLE 1980, 1984, 1986.

HIGHEST WATER LEVEL 152.61 FEET BELOW LAND SURFACE DATUM APR 17, 1984.

LOWEST WATER LEVEL 152.99 FEET BELOW LAND SURFACE DATUM JUN 10, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	152.92	S	MAR 17, 1986	152.75	S	MAY 16, 1986	152.69	S	JUL 03, 1986		N
FEB 12	152.81	S	APR 22	152.97	S	JUN 10	152.99	S			

WELL 02S 33E 16ABB1 SITE NUMBER 431520112360901

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD 4,556 FT NGVD OF 1929. MP NO. 1 TOP OF CASING EAST SIDE, 0.50 FT ABOVE LSD (SINCE MAR. 16, 1980).

RECORDS AVAILABLE 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 130.95 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 135.02 FEET BELOW LAND SURFACE DATUM AUG 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 08, 1986	131.70	S	APR 22, 1986	131.59	S	JUN 10, 1986	132.04	S	AUG 20, 1986	131.70	S
FEB 12	131.65	S	MAY 16	131.57	S	JUL 30	132.22	S	SEP 26	130.95	S
MAR 17	131.61	S									

WELL 02S 34E 33BBA1 SITE NUMBER 431242112292801

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 40 FT, CASED TO 5 FT. LSD 4,456.89 FT NGVD OF 1929. MP NO. 2 TOP OF 6-IN CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE JAN. 18, 1982).

RECORDS AVAILABLE 1952 - 1968, 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.80 FEET BELOW LAND SURFACE DATUM AUG 30, 1952.

LOWEST WATER LEVEL 33.55 FEET BELOW LAND SURFACE DATUM MAR 18, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	29.28	S	MAR 20, 1986	30.38	S	JUL 30, 1986	25.30	S	SEP 26, 1986	26.83	S
JAN 08, 1986	30.36	S	MAY 16	27.99	S						

WELL 02S 35E 11DDD1 SITE NUMBER 431517112190101

DRILLED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 6 IN, REPORTED DEPTH 97 FT, CASED TO 113 FT, PERFORATED 88-93 FT, GRAVEL FILL 110-113 FT, CONCRETE SEAL 97-110 FT. LSD ABOUT 4,510 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING SOUTHWEST SIDE, 2.58 FT ABOVE LSD (SINCE AUG. 22, 1979).

RECORDS AVAILABLE 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.76 FEET BELOW LAND SURFACE DATUM JUL 30, 1986.

LOWEST WATER LEVEL 71.54 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	32.20	S	JAN 08, 1986	39.67	S	MAY 14, 1986	35.39	S	SEP 15, 1986	21.21	S
NOV 13	36.50	S	MAR 21	40.10	S	JUL 30	17.76	S			

WELL 02S 35E 11DDD2 SITE NUMBER 431517112190102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 376 FT, 3/4-IN PIEZOMETER TUBE 0-129 FT, PERFORATED 121.5-126.5 FT, GRAVEL FILL 110-376 FT, CONCRETE SEAL 97-110 FT, 376-390 FT. LSD ABOUT 4,510 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE SOUTHWEST SIDE, 2.13 FT ABOVE LSD (SINCE MAR. 14, 1980).

RECORDS AVAILABLE 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 62.02 FEET BELOW LAND SURFACE DATUM AUG 22, 1984.

LOWEST WATER LEVEL 72.54 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	64.21	S	JAN 08, 1986	66.37	S	MAY 14, 1986	64.89	S	SEP 15, 1986	62.59	S
NOV 13	64.71	S	MAR 21	66.89	S	JUL 30	62.73	S			

WELL 02S 35E 22DAC1 SITE NUMBER 431349112202001

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 24 IN, DEPTH 120 FT, CASED TO 24 FT. LSD ABOUT 4,525 FT NGVD OF 1929. MP NO. 1 TOP OF 1-IN HOLE IN WELL SEAL EAST SIDE, 1.30 FT ABOVE LSD (SINCE MAR. 13, 1980).

RECORDS AVAILABLE 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 75.78 FEET BELOW LAND SURFACE DATUM AUG 20, 1986.

LOWEST WATER LEVEL 88.39 FEET BELOW LAND SURFACE DATUM MAR 13, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 08, 1986	82.87	S	APR 22, 1986	82.58	S	JUN 10, 1986	76.00	S	AUG 20, 1986	75.78	S
FEB 14	83.41	S	MAY 14	80.20	S	JUL 30	76.50	S	SEP 15	77.06	S
MAR 21	83.63	S									

WELL 02S 36E 36CDD1 SITE NUMBER 431148112111801

DRILLED STOCK WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 6 IN, DEPTH 98.0 FT, CASED TO 97 FT. LSD ABOUT 4,636 FT NGVD OF 1929. MP NO. 1 TOP OF CASING SOUTH SIDE, 2.00 FT ABOVE LSD (SINCE APR. 7, 1955).

RECORDS AVAILABLE 1955, 1958 - 1968, 1969 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 74.57 FEET BELOW LAND SURFACE DATUM OCT 25, 1959.

LOWEST WATER LEVEL 77.50 FEET BELOW LAND SURFACE DATUM AUG 06, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	75.68	S	MAR 19, 1986	76.27	S	SEP 15, 1986	75.07	S

WELL 03S 31E 16CCB1 SITE NUMBER 430930112505701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 318 FT, CASED TO 19 FT. LSD ABOUT 4,640 FT NGVD OF 1929. MP NO. 1 BOTTOM OF SLOPING PIPE WEST SIDE, 0.90 FT ABOVE LSD (SINCE MAR. 28, 1980).

RECORDS AVAILABLE 1980, 1981 - 1982, 1984, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 227.77 FEET BELOW LAND SURFACE DATUM APR 17, 1984.

LOWEST WATER LEVEL 232.01 FEET BELOW LAND SURFACE DATUM JUL 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	228.32	S	APR 21, 1986	228.17	S	JUN 13, 1986	230.21	P S	AUG 20, 1986	228.79	S
FEB 12	228.04	S	MAY 13	227.81	S	JUL 28	230.17	P S	SEP 25	227.97	S
MAR 17	227.95	S									

BINGHAM COUNTY -- CONTINUED

WELL 03S 32E 04ACA1 SITE NUMBER 431138112425401

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,535 FT NGVD OF 1929. MP NO. 1 TOP OF WEST EDGE OF SLAT IN DISC BLADE WEST SIDE, 0.60 FT ABOVE LSD (SINCE MAR. 26, 1980).

RECORDS AVAILABLE 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 112.24 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 115.92 FEET BELOW LAND SURFACE DATUM AUG 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 10, 1986	112.82	S	MAR 17, 1986	112.69	S	MAY 16, 1986	112.66	P V	AUG 20, 1986	112.98	S
FEB 12	112.76	S	APR 22	112.69	S	JUL 30	113.40	S	SEP 26	112.24	S

WELL 03S 33E 14BBA1 SITE NUMBER 431006112340901

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 44 FT, CASED TO 3 FT. LSD 4,461.55 FT NGVD OF 1929. MP NO. 3 TOP OF HOLE IN WELL SEAL WEST SIDE, 2.20 FT ABOVE LSD (SINCE SEPT. 25, 1981).

RECORDS AVAILABLE 1952 - 1968, 1969 - 1976, 1977 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.89 FEET BELOW LAND SURFACE DATUM AUG 30, 1952.

LOWEST WATER LEVEL 44.13 FEET BELOW LAND SURFACE DATUM APR 27, 1960.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	37.47	S	JAN 10, 1986	39.37	S	APR 24, 1986	38.80	S	JUL 30, 1986	38.49	S
NOV 14	38.55	S	FEB 13	39.20	S	MAY 14	37.93	S	AUG 20	38.47	S
DEC 19	39.23	S	MAR 20	39.26	S	JUN 10	38.21	S	SEP 26	37.62	S

WELL 03S 33E 17AAD1 SITE NUMBER 430955112365001

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 185 FT, CASING DEPTH NOT AVAILABLE. LSD 4,512.75 FT NGVD OF 1929. MP NO. 2 TOP OF 18-IN CASING NORTH SIDE, 0.80 FT ABOVE LSD (SINCE SEPT. 17, 1976).

RECORDS AVAILABLE 1951 - 1956, 1958 - 1969, 1972, 1974 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 89.57 FEET BELOW LAND SURFACE DATUM OCT 02, 1952.

LOWEST WATER LEVEL 96.23 FEET BELOW LAND SURFACE DATUM MAR 19, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	92.04	S	JAN 10, 1986	93.54	S	APR 24, 1986	93.24	S	JUL 30, 1986	93.42	S
NOV 14	92.80	S	FEB 13	93.38	S	MAY 14	92.62	S	AUG 20	93.15	S
DEC 23	93.40	S	MAR 20	93.52	S	JUN 10	93.39	S	SEP 26	92.19	S

WELL 03S 33E 25CCC1 SITE NUMBER 430729112331201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 183.4 FT, CASED TO 185 FT, OPEN BOTTOM, GRAVEL FILL 183.4-504 FT, CONCRETE SEAL 504-529 FT. LSD ABOUT 4,450 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE AUG. 22, 1979).

RECORDS AVAILABLE 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 33.26 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.

LOWEST WATER LEVEL 37.75 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	33.95	S	JAN 10, 1986	35.31	S	MAY 14, 1986	34.40	S	SEP 26, 1986	33.89	S
NOV 13	33.85	S	MAR 20	35.08	S	JUL 30	34.86	S			

WELL 03S 34E 02BCC3 SITE NUMBER 431126112271503

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 707 FT, 3/4-IN PIEZOMETER TUBE 0-676 FT, PERFORATED 668.5-673.5 FT, GRAVEL FILL 565-707 FT, CONCRETE SEAL 547-565 FT. LSD ABOUT 4,446 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE NORTH SIDE, 0.92 FT ABOVE LSD (SINCE MAR. 29, 1980).

RECORDS AVAILABLE 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.52 FEET BELOW LAND SURFACE DATUM SEP 20, 1984.

LOWEST WATER LEVEL 24.76 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	19.43	S	JAN 08, 1986	21.03	S	MAY 14, 1986	19.46	S	SEP 26, 1986	18.79	S
NOV 13	20.67	S	MAR 20	20.55	S	JUL 30	19.30	S			

WELL 03S 34E 22DAB1 SITE NUMBER 430843112272701

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 85 FT, CASED TO 81.5 FT, PERFORATED 60-65 FT, CONCRETE SEAL 85-93 FT. LSD ABOUT 4,430 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 2.30 FT ABOVE LSD (SINCE APR. 14, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.07 FEET BELOW LAND SURFACE DATUM JUN 20, 1984.

LOWEST WATER LEVEL 16.71 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	12.88	S	JAN 17, 1986	13.39	S	MAY 12, 1986	11.85	S	SEP 15, 1986	12.14	S
NOV 15	13.38	S	MAR 19	13.35	S	JUL 18	12.76	S			

BINGHAM COUNTY -- CONTINUED

WELL 04S 31E 06BBD1 SITE NUMBER 430630112525901

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 18 IN, DEPTH 280 FT, CASED TO 8 FT. LSD 4,631 FT NGVD OF 1929. MP NO. 1 TOP OF CASING WEST SIDE, 0.30 FT ABOVE LSD (SINCE APR. 24, 1985).

RECORDS AVAILABLE 1985, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 221.23 FEET BELOW LAND SURFACE DATUM APR 24, 1985.

LOWEST WATER LEVEL 223.52 FEET BELOW LAND SURFACE DATUM JUL 28, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	222.52	S	APR 24, 1986	222.29	S	JUN 13, 1986	222.34	S	AUG 20, 1986	223.32	S
FEB 12	221.56	S	MAY 13	221.93	S	JUL 28	223.52	S	SEP 25	222.52	S
MAR 17	222.09	S									

WELL 04S 31E 11ABA1 SITE NUMBER 430547112473701

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 16 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,465 FT NGVD OF 1929. MP NO. 1 TOP OF 16-IN CASING WEST SIDE, 1.00 FT ABOVE LSD (SINCE APR. 18, 1984).

RECORDS AVAILABLE 1984, 1985, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 56.83 FEET BELOW LAND SURFACE DATUM APR 24, 1985.

LOWEST WATER LEVEL 58.66 FEET BELOW LAND SURFACE DATUM JUL 28, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 10, 1986	57.90	S	APR 24, 1986	57.57	S	JUN 13, 1986	57.57	S	AUG 20, 1986	58.51	S
FEB 12	57.79	S	MAY 13	57.07	S	JUL 28	58.66	S	SEP 25	57.40	S
MAR 17	57.48	S									

WELL 04S 31E 20BBB1 SITE NUMBER 430402112520301

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, REPORTED DEPTH 201 FT, CASED TO 5 FT. LSD 4,523.34 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF 3/4-IN HOLE IN PUMPBASE NORTH SIDE, 0.29 FT ABOVE LSD (SINCE JAN. 19, 1978).

RECORDS AVAILABLE 1953, 1962 - 1968, 1969 - 1971, 1972 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 115.09 FEET BELOW LAND SURFACE DATUM OCT 02, 1953.

LOWEST WATER LEVEL 122.04 FEET BELOW LAND SURFACE DATUM AUG 08, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 17, 1986	117.91	S	SEP 25, 1986	118.59	S

WELL 04S 31E 36ABA1 SITE NUMBER 430216112464001

DRIVEN OBSERVATION WATER-TABLE WELL IN AMERICAN FALLS LAKE BEDS, DIAM 1 1/4 IN, DEPTH 17.1 FT, CASED TO 17 FT, WELL POINT 15.9-18.4 FT. LSD 4,401.78 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE JULY 26, 1959).

RECORDS AVAILABLE 1959 - 1968, 1969 - 1976, 1977, 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.26 FEET ABOVE LAND SURFACE DATUM SEP 19, 1973.

LOWEST WATER LEVEL 7.65 FEET BELOW LAND SURFACE DATUM MAR 19, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	3.53	S	JAN 10, 1986	5.84	S	APR 24, 1986	5.52	S	JUL 24, 1986	4.87	S
NOV 14	4.14	S	FEB 12	6.06	S	MAY 13	5.29	S	AUG 19	4.90	S
DEC 20	5.31	S	MAR 20	4.98	S	JUN 13	4.64	S	SEP 25	4.50	S

WELL 04S 32E 01CBA1 SITE NUMBER 430607112400501

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 90 FT, CASED TO 68 FT, CONCRETE SEAL 90-105 FT. LSD ABOUT 4,450 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN CASING NORTHWEST SIDE, 2.50 FT ABOVE LSD (SINCE JUNE 23, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 38.06 FEET BELOW LAND SURFACE DATUM JUN 21, 1985.

LOWEST WATER LEVEL 47.37 FEET BELOW LAND SURFACE DATUM APR 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	41.07	S	JAN 10, 1986	45.28	S	MAY 14, 1986	40.43	S	SEP 26, 1986	39.77	S
NOV 13	43.71	S	MAR 17	44.62	S	JUL 30	41.19	S			

WELL 04S 32E 01CBA3 SITE NUMBER 430607112400503

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 295 FT, 3/4-IN PIEZOMETER TUBE 0-273 FT, PERFORATED 265.5-270.5 FT, GRAVEL FILL 264-295 FT, CONCRETE SEAL 131-264 FT, 295-310 FT. LSD ABOUT 4,450 FT NGVD OF 1929. JUNE 23, 1980, WELL HAD FILLED IN TO A DEPTH OF 241.7 FT. MP NO. 1 TOP OF 3/4-IN PIPE NORTHWEST SIDE, 1.21 FT ABOVE LSD (SINCE JUNE 23, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 37.88 FEET BELOW LAND SURFACE DATUM NOV 13, 1985.

LOWEST WATER LEVEL 44.96 FEET BELOW LAND SURFACE DATUM FEB 18, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	37.94	S	JAN 10, 1966	38.10	S	MAY 14, 1986	38.38	S	SEP 26, 1986	38.30	S
NOV 13	37.88	S	MAR 17	38.34	S	JUL 30	38.34	S			

WELL 04S 32E 01CBA4 SITE NUMBER 430607112400504

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 433 FT, 3/4-IN PIEZOMETER TUBE 0-357 FT, PERFORATED 349.5-354.5 FT, GRAVEL FILL 310-433 FT, CONCRETE SEAL 295-310 FT. LSD ABOUT 4,450 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE NORTHWEST SIDE, 0.99 FT ABOVE LSD (SINCE DEC. 17, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.93 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.

LOWEST WATER LEVEL 40.87 FEET BELOW LAND SURFACE DATUM JUL 23, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	35.87	S	JAN 10, 1986	36.92	S	MAY 14, 1986	36.20	S	SEP 26, 1986	36.12	S
NOV 13	36.28	S	MAR 17	36.64	S	JUL 30	37.73	S			

WELL 04S 32E 13CBB1 SITE NUMBER 430425112401101

FORMERLY SITE ID NO. 420425112401101. DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 60 FT, CASED TO 60 FT. LSD 4,410 86 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 2 TOP OF 1/2-IN HOLE IN WELL SEAL NORTHWEST SIDE, 5.19 FT BELOW LSD (SINCE JAN. 19, 1978).

RECORDS AVAILABLE 1961 - 1962, 1963 - 1969, 1972, 1974 - 1976, 1977, 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.49 FEET BELOW LAND SURFACE DATUM AUG 11, 1965.

LOWEST WATER LEVEL 18.67 FEET BELOW LAND SURFACE DATUM APR 28, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 20, 1986	16.76	S	SEP 26, 1986	14.74	S

WELL 04S 33E 03CBB2 SITE NUMBER 430610112353301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 53.3 FT, CASED TO 12 FT. LSD 4,447.94 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED JULY 23, 1959. RECORDER REMOVED MAY 25, 1969. DIGITAL RECORDER INSTALLED JAN. 12, 1978. RECORDER REMOVED MAR. 16, 1986. MP NO. 1 TOP OF CASING SOUTH SIDE, 1.10 FT ABOVE LSD (SINCE MAR. 25, 1959).

RECORDS AVAILABLE 1959 - 1969, 1970 - 1971, 1972 - 1973, 1974 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 31.37 FEET BELOW LAND SURFACE DATUM AUG 19, 1969.

LOWEST WATER LEVEL 40.27 FEET BELOW LAND SURFACE DATUM JAN 19, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 05, 1985	35.29	NOV 25, 1985	36.79	JAN 15, 1986	37.83	MAR 05, 1986	36.73	
10	35.15	30	36.86	20	37.84	10	36.65	
15	35.30	DEC 05	37.28	25	38.03	15	36.89	
20	35.23	10	37.34	31	37.89	APR 24	37.33	S
25	35.35	15	37.60	FEB 05	37.94	MAY 14	36.03	S
31	35.67	20	37.77	10	37.97	JUN 10	35.56	S
NOV 05	36.00	25	37.82	15	37.83	JUL 30	36.69	S
10	36.13	31	37.73	20	37.04	AUG 20	35.88	S
15	36.63	JAN 05, 1986	37.77	25	36.86	SEP 26	35.26	S
20	36.78	10	37.95	28	36.75			

WELL 04S 33E 20CBB1 SITE NUMBER 430333112375801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 65 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,418 FT NGVD OF 1929. JUNE 19, 1981, WELL HAD FILLED IN TO A DEPTH OF 61.8 FT. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 2.00 FT ABOVE LSD (SINCE MAY 28, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 28.15 FEET BELOW LAND SURFACE DATUM JUN 15, 1983.

LOWEST WATER LEVEL 32.43 FEET BELOW LAND SURFACE DATUM JUL 23, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	28.87	S	JAN 10, 1986	30.80	S	MAY 14, 1986	28.73	S	SEP 26, 1986	29.17	S
NOV 13	29.75	S	MAR 20	29.89	S	JUL 30	30.68	S			

WELL 04S 33E 20CBB2 SITE NUMBER 430333112375802

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 108 FT, CASED TO 108 FT, PERFORATED 64-68 FT. LSD ABOUT 4,418 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE NORTH SIDE, 0.74 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.49 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.

LOWEST WATER LEVEL 23.65 FEET BELOW LAND SURFACE DATUM JAN 18, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	19.23	S	JAN 10, 1986	20.19	S	MAY 14, 1986	17.78	S	SEP 26, 1986	18.74	S
NOV 13	19.79	S	MAR 20	19.09	S	JUL 30	21.06	S			

WELL 04S 33E 20CBB3 SITE NUMBER 430333112375803

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, REPORTED DEPTH 405 FT, CASED TO 385 FT, OPEN BOTTOM, GRAVEL FILL 385-405 FT, CONCRETE SEAL 405-468 FT. LSD ABOUT 4,418 FT NGVD OF 1929. JUNE 19, 1981, WELL HAD FILLED IN TO A DEPTH OF 365.7 FT. MP NO. 1 TOP OF 4-IN CASING NORTH SIDE, 0.57 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.71 FEET BELOW LAND SURFACE DATUM NOV 21, 1984.

LOWEST WATER LEVEL 22.69 FEET BELOW LAND SURFACE DATUM AUG 16, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	15.86	S	JAN 10, 1986	15.64	S	MAY 14, 1986	15.05	S	SEP 26, 1986	15.16	S
NOV 13	15.73	S	MAR 20	15.40	S	JUL 30	15.10	S			

WELL 04S 33E 20CBB4 SITE NUMBER 430333112375804

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 738.2 FT, 3/4-IN PIEZOMETER TUBE 0-741 FT, PERFORATED 668-673 FT, 705-710 FT, GRAVEL FILL 468-741 FT, CONCRETE SEAL 405-468 FT. LSD ABOUT 4,418 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE NORTH SIDE, 0.47 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.56 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.

LOWEST WATER LEVEL 8.45 FEET BELOW LAND SURFACE DATUM JUL 23, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	5.37	S	JAN 10, 1986	5.33	S	MAY 14, 1986	4.71	S	SEP 26, 1986	4.38	S
NOV 13	4.69	S	MAR 20	5.26	S	JUL 30	5.36	S			

WELL 05S 30E 12BBA1 SITE NUMBER 430030112541301

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, REPORTED DEPTH 200 FT, CASED TO 6 FT. LSD 4,501.51 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 BOTTOM EDGE OF PUMPBASE NORTHWEST SIDE, 0.43 FT ABOVE LSD (SINCE SEPT. 13, 1978).

RECORDS AVAILABLE 1951 - 1953, 1956, 1958 - 1968, 1969 - 1975, 1971, 1976 - 1983, 1984, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 104.22 FEET BELOW LAND SURFACE DATUM AUG 29, 1951.

LOWEST WATER LEVEL 112.03 FEET BELOW LAND SURFACE DATUM AUG 08, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	107.81	S	JAN 10, 1986	107.74	S	MAR 17, 1986	107.32	S	JUN 13, 1986	108.59 S	S
NOV 14	107.86	S	FEB 12	107.72	S	MAY 13	107.21	S	JUL 24	110.41	S
DEC 20	107.87	S									

WELL 05S 31E 19DDC1 SITE NUMBER 425803112521301

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 61.3 FT, CASED TO 70 FT, OPEN BOTTOM. LSD 4,427.04 FT NGVD OF 1929. ORIGINAL REPORTED DEPTH 70 FT. MEASUREMENTS PRIOR TO 1952 MADE BY ABERDEEN-SPRINGFIELD CANAL CO. MP NO. 4 TOP OF 3/8-IN COUPLING IN WOODEN COVER NORTH SIDE, 0.30 FT ABOVE LSD (SINCE AUG. 22, 1964).

RECORDS AVAILABLE 1944 - 1947, 1952 - 1968, 1969 - 1976, 1977 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 37.40 FEET BELOW LAND SURFACE DATUM SEP 09, 1947.

LOWEST WATER LEVEL 46.68 FEET BELOW LAND SURFACE DATUM SEP 25, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 17, 1986	41.79	S	SEP 17, 1986	43.89	S

WELL 05S 31E 27ABA1 SITE NUMBER 425757112485201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 TO 12 IN, DEPTH 48.9 FT, CASED TO 16 FT. LSD 4,399.83 FT NGVD OF 1929. MEASUREMENTS PRIOR TO 1952 MADE BY ABERDEEN-SPRINGFIELD CANAL CO. RECORDER INSTALLED JULY 16, 1952. RECORDER CHANGED TO DIGITAL MAY 30, 1973. MP NO. 2 TOP INSIDE EDGE OF 16-IN CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE MAY 24, 1952).

RECORDS AVAILABLE 1945 - 1947, 1948 - 1949, 1952 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.97 FEET BELOW LAND SURFACE DATUM AUG 16, 1968.

LOWEST WATER LEVEL 25.84 FEET BELOW LAND SURFACE DATUM APR 28, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	17.94	JAN 10, 1986	21.95	APR 10, 1986	20.29	JUL 15, 1986	17.83
10	18.10	15	21.89	15	20.39	20	17.70
15	18.26	20	22.07	20	20.72	25	17.47
20	18.21	25	22.54	25	20.49	31	16.95
25	18.43	31	22.48	30	20.75	AUG 05	16.70
31	18.62	FEB 05	22.59	MAY 05	20.57	10	16.52
NOV 05	18.97	10	22.73	10	20.28	15	16.39
10	18.98	14	22.87	15	20.31	20	16.66
15	19.50	15	22.66	20	20.08	25	16.24
20	19.59	20	21.27	25	20.06	29	16.16
25	19.67	25	20.23	31	19.89	31	16.42
30	20.05	28	19.83	JUN 05	19.83	SEP 05	16.72
DEC 05	20.39	MAR 05	19.60	10	19.90	10	16.90
10	20.60	10	19.26	15	19.49	15	16.99
15	20.91	15	19.46	20	19.03	20	17.15
20	21.10	20	19.86	25	18.85	25	16.96
25	21.30	25	19.88	30	18.58	30	17.17
31	21.46	31	20.07	JUL 05	18.15		
JAN 05, 1986	21.60	APR 05	20.12	10	17.71		

WELL 06S 31E 16BAB1 SITE NUMBER 425427112503801

FORMERLY WELL NO. 06S 31E 16BAA1. DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 12 IN, DEPTH 134 FT, CASING DEPTH NOT AVAILABLE. LSD 4,392.21 FT NGVD OF 1929. MEASUREMENTS PRIOR TO 1952 MADE BY ABERDEEN-SPRINGFIELD CANAL CO. RECORDER INSTALLED OCT. 4, 1952. RECORDER REMOVED MAY 18, 1955. MP NO. 3 TOP OF 7/8-IN HOLE IN NORTHWEST CORNER OF STEEL PUMPBASE, 0.25 FT ABOVE LSD (SINCE JUNE 24, 1958).

RECORDS AVAILABLE 1944 - 1949, 1952 - 1955, 1956 - 1968, 1969 - 1972, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.90 FEET BELOW LAND SURFACE DATUM AUG 28, 1944.

LOWEST WATER LEVEL 23.47 FEET BELOW LAND SURFACE DATUM SEP 25, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	14.60	S	JAN 10, 1986	16.05	S	APR 24, 1986	14.46	S	SEP 17, 1986	15.42	S
NOV 14	15.07	S	FEB 13	16.24	S	MAY 13	14.23	S			
DEC 20	15.85	S	MAR 20	14.50	S	JUN 13	13.83	S			

BLAINE COUNTY

WELL 04N 17E 13AAB1 SITE NUMBER 434108114221001

DRILLED INDUSTRIAL WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 12 TO 10 IN, DEPTH 187 FT, 12-IN CASING 0-32 FT, 10-IN CASING 0-54 FT. LSD 5,813.08 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED APR. 4, 1977. MP NO. 1 TOP OF 10-IN CASING SOUTH SIDE, 1.97 FT ABOVE LSD (SINCE APR. 4, 1977).

RECORDS AVAILABLE 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.44 FEET BELOW LAND SURFACE DATUM APR 26, 1983.

LOWEST WATER LEVEL 17.33 FEET BELOW LAND SURFACE DATUM NOV 20, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	16.28	JAN 10, 1986	16.99	APR 10, 1986	12.83	JUL 15, 1986	15.14
10	16.36	15	17.04	15	13.35	20	15.29
15	16.54	20	16.98	20	14.21	25	15.38
20	16.70	25	17.02	25	13.73	31	15.59
25	16.62	31	16.93	30	14.33	AUG 05	15.76
31	16.80	FEB 05	16.91	MAY 05	14.22	10	15.73
NOV 05	16.91	10	16.86	10	14.56	15	15.85
10	17.02	15	16.90	15	14.94	20	15.81
15	17.13	20	16.50	20	14.89	25	15.65
20	17.33	25	16.34	25	14.66	31	15.89
25	17.14	28	16.12	31	13.08	SEP 05	15.95
30	17.07	MAR 05	15.71	JUN 05	12.69	10	15.55
DEC 05	17.03	10	14.94	10	13.29	15	15.37
10	16.99	15	15.35	15	13.61	20	15.77
15	16.38	20	15.69	20	13.85	25	16.02
20	16.40	25	14.26	25	14.25	30	16.03
25	16.80	31	12.62	30	14.19		
31	16.55	APR 01	12.28	JUL 05	14.64		
JAN 05, 1986	16.73	05	12.68	10	14.91		

BLAINE COUNTY -- CONTINUED

WELL 01N 18E 01DAA1 SITE NUMBER 432657114144801

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 84.8 FT, CASED TO 85 FT, PERFORATED 78-84 FT. LSD 5,136.59 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED JULY 22, 1954. RECORDER REMOVED OCT. 4, 1955. RECORDER INSTALLED MAY 21, 1975. RECORDER REMOVED DEC. 10, 1976. RECORDER INSTALLED AUG. 24, 1978. MP NO. 1 TOP OF CASING WEST SIDE, 0.90 FT ABOVE LSD (SINCE JULY 22, 1954).

RECORDS AVAILABLE 1954 - 1955, 1956 - 1968, 1969 - 1974, 1975 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.11 FEET BELOW LAND SURFACE DATUM OCT 01, 1984.

LOWEST WATER LEVEL 50.23 FEET BELOW LAND SURFACE DATUM MAR 27, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	43.58	DEC 25, 1985	45.66	MAR 15, 1986	43.38	JUN 05, 1986	38.90
10	43.82	31	45.51	20	43.30	10	37.87
16	44.18	JAN 05, 1986	45.52	25	43.22	15	37.67
20	44.37	10	45.54	31	43.32	20	36.39
25	44.74	15	45.83	APR 05	43.49	22	36.09
31	45.01	20	46.09	10	43.54	25	36.47
NOV 05	45.29	25	46.41	15	43.38	30	36.86
10	45.55	31	46.70	20	43.47	JUL 05	37.15
15	45.85	FEB 05	46.78	25	43.21	10	37.64
20	46.21	10	47.14	30	42.68	15	38.07
25	46.66	15	47.26	MAY 05	42.09	20	37.59
30	46.82	20	46.83	10	41.61	22	37.79 S
DEC 05	46.87	25	46.61	15	41.67	SEP 16	40.24 S
10	46.89	28	45.96	20	41.52		
15	47.17	MAR 05	44.46	25	41.10		
20	47.02	10	43.91	31	40.34		

WELL 01S 17E 17BBB1 SITE NUMBER 432028114282401

DRILLED STOCK WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 18 IN, DEPTH 153.6 FT, CASED TO 28 FT. LSD ABOUT 4,938 FT NGVD OF 1929. MP NO. 2 TOP OF 1/2-IN HOLE IN CASING COVER SOUTHEAST SIDE, 0.52 FT ABOVE LSD (SINCE OCT. 26, 1981).

RECORDS AVAILABLE 1977 - 1981, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.66 FEET BELOW LAND SURFACE DATUM SEP 17, 1986.

LOWEST WATER LEVEL 45.17 FEET BELOW LAND SURFACE DATUM FEB 23, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1985	37.48 S	MAR 18, 1986	36.88 S	JUL 22, 1986	36.88 S	SEP 17, 1986	34.66 S
JAN 06, 1986	37.88 S	MAY 16	35.20 S				

WELL 01S 18E 14AAB1 SITE NUMBER 432042114163801

DRILLED IRRIGATION ARTESIAN WELL IN GRAVEL OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 120 FT, CASING DEPTH NOT AVAILABLE. LSD 4,904.22 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF DISCHARGE PIPE (NOT ELBOW), 3.74 FT ABOVE LSD (SINCE JULY 18, 1983).

RECORDS AVAILABLE 1954 - 1957, 1958 - 1968, 1969 - 1971, 1972 - 1974, 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 46.47 FEET ABOVE LAND SURFACE DATUM JUN 27, 1958.

LOWEST WATER LEVEL 18.57 FEET ABOVE LAND SURFACE DATUM MAY 20, 1961.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14, 1985	26.77 E M	MAR 18, 1986	26.10 E M	JUL 22, 1986	26.36 E M	SEP 17, 1986	31.46 E M
JAN 06, 1986	25.87 E M	MAY 16	31.05 E M				

WELL 01S 19E 03CCB2 SITE NUMBER 432143114114301

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 51.1 FT, CASED TO 51 FT, PERFORATED 25-35 FT. LSD 4,933.70 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT FO 1947. WATER LEVEL INFLUENCED BY NEARBY WELL BEING PUMPED. RECORDER INSTALLED JULY 29, 1954. MP NO. 2 TOP OF CASING EAST SIDE, 1.50 FT ABOVE LSD (SINCE JUNE 17, 1964).

RECORDS AVAILABLE 1954 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.55 FEET BELOW LAND SURFACE DATUM AUG 12, 1965.

LOWEST WATER LEVEL 22.26 FEET BELOW LAND SURFACE DATUM MAR 20, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	15.23	JAN 10, 1986	18.72	APR 10, 1986	15.70	JUL 15, 1986	12.17
10	15.28	15	18.78	15	15.72	20	12.03
15	15.25	20	18.77	20	15.80	25	11.67
20	15.45	25	18.78	25	15.87	31	11.08
25	15.64	31	18.83	30	15.93	AUG 05	10.67
31	15.89	FEB 05	18.83	MAY 05	15.77	10	9.84
NOV 05	16.06	10	18.86	10	15.19	11	9.82
10	16.23	15	18.93	15	15.05	15	10.90
15	16.45	16	18.94	20	14.69	20	10.97
20	16.73	20	18.63	25	14.31	25	11.32
25	17.03	25	18.37	31	14.29	31	11.15
30	17.31	28	18.24	JUN 05	13.96	SEP 05	11.33
DEC 05	17.57	MAR 05	18.03	10	13.88	10	11.44
10	17.81	10	17.28	15	13.27	15	11.53
15	18.05	15	16.22	20	13.12	20	11.43
20	18.09	20	16.15	25	12.98	25	11.30
25	18.29	25	15.73	30	12.85	30	10.92
31	18.53	31	15.67	JUL 05	12.53		
JAN 05, 1986	18.65	APR 05	15.67	10	11.57		

BLAINE COUNTY -- CONTINUED

WELL 01S 19E 22AAA1 SITE NUMBER 431950114102901

FORMERLY SITE ID NO. 431944114102501. DRILLED OBSERVATION ARTESIAN WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 150 FT, CASED TO 116 FT, PERFORATED, INTERVAL NOT AVAILABLE. LSD 4,885.39 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 4 TOP OF 2-IN PIPE COUPLING, 4.07 FT ABOVE LSD (SINCE JULY 24, 1984).

RECORDS AVAILABLE 1954 - 1968, 1969 - 1971, 1972 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.18 FEET ABOVE LAND SURFACE DATUM SEP 22, 1975.

LOWEST WATER LEVEL 2.80 FEET ABOVE LAND SURFACE DATUM JUL 17, 1977.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1985	6.57 E S	MAY 16, 1986	7.17 E S	JUL 22, 1986	6.49 E M	SEP 16, 1986	8.37 E S
MAR 19, 1986	6.94 E S						

WELL 01S 22E 09CCA1 SITE NUMBER 432053113511201

FORMERLY SITE ID NO. 432046113512501, WELL NO. 01S 22E 09CCD1. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 98.1 FT, CASED TO 21 FT. LSD ABOUT 4,863 FT NGVD OF 1929. OCT. 11, 1972, WELL HAD FILLED IN TO A DEPTH OF 94.0 FT. MP NO. 2 TOP OF CASING, 1.50 FT ABOVE LSD (SINCE FEB. 19, 1962).

RECORDS AVAILABLE 1960 - 1968, 1969 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 45.00 FEET BELOW LAND SURFACE DATUM MAY 25, 1965.

LOWEST WATER LEVEL 77.28 FEET BELOW LAND SURFACE DATUM JAN 24, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14, 1985	66.27 S	MAR 19, 1986	48.62 S	JUL 21, 1986	52.11 S	SEP 16, 1986	52.79 S
JAN 07, 1986	71.41 S	MAY 15	50.25 S				

WELL 01S 23E 26CCC1 SITE NUMBER 431810113413601

FORMERLY SITE ID NO. 431803113433001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, REPORTED DEPTH 1,030.7 FT, CASED TO 1,030.7 FT, PERFORATED 1,000.7-1,025.7 FT. LSD ABOUT 5,030 FT NGVD OF 1929. MP NO. 1 TOP OF 2-IN PIPE COUPLING SOUTHWEST SIDE, 2.12 FT ABOVE LSD (SINCE SEPT. 19, 1972).

RECORDS AVAILABLE 1972 - 1974, 1975 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 946.97 FEET BELOW LAND SURFACE DATUM FEB 27, 1974.

LOWEST WATER LEVEL 958.25 FEET BELOW LAND SURFACE DATUM SEP 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14, 1985	952.22 S	APR 02, 1986	949.97 S	JUL 21, 1986	950.07 S	SEP 16, 1986	950.26 S
JAN 15, 1986	951.50 S	MAY 15	950.28 S				

WELL 02S 20E 01ACC2 SITE NUMBER 431642114013002

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 208.6 FT, CASED TO 208 FT, PERFORATED 185-194 FT, 197-206 FT. LSD 4,790.07 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED AUG. 17, 1955. RECORDER REMOVED AUG. 20, 1971. MP NO. 2 TOP OF 1-IN ACCESS HOLE IN WELL SEAL, 1.20 FT ABOVE LSD (SINCE APR. 2, 1986).

RECORDS AVAILABLE 1954, 1955 - 1971, 1972 - 1974, 1975 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 125.04 FEET BELOW LAND SURFACE DATUM SEP 25, 1965.

LOWEST WATER LEVEL 152.54 FEET BELOW LAND SURFACE DATUM FEB 26, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
APR 02, 1986	145.90	S	SEP 16, 1986	146.63	S

WELL 03S 27E 24DDA1 SITE NUMBER 430836113143401

FORMERLY SITE ID NO. 430833113143601. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 900.7 FT, CASED TO 900.7 FT, PERFORATED 849-898 FT. LSD 4,982.10 FT NGVD OF 1929. MP NO. 1 TOP OF 2-IN PIPE COUPLING, 2.35 FT ABOVE LSD (SINCE JULY 9, 1971).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 846.83 FEET BELOW LAND SURFACE DATUM MAY 29, 1973.

LOWEST WATER LEVEL 857.75 FEET BELOW LAND SURFACE DATUM NOV 16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	849.78	S	MAY 15, 1986	849.14	S	JUL 21, 1986	849.09	S	SEP 16, 1986	849.41	S

WELL 07S 26E 14CCC1 SITE NUMBER 424826113233201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 747 FT, CASED TO 367 FT. LSD 4,403.11 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 17, 1980. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 1.44 FT ABOVE LSD (SINCE OCT. 26, 1977).

RECORDS AVAILABLE 1977, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 308.48 FEET BELOW LAND SURFACE DATUM APR 21, 1986.

LOWEST WATER LEVEL 317.69 FEET BELOW LAND SURFACE DATUM AUG 05, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	311.04		OCT 22, 1985	310.69	S	MAR 25, 1986	308.91	S	JUL 21, 1986	310.22	S
10	311.02		NOV 13	310.42	S	APR 21	308.48	S	AUG 20	310.23	S
15	310.93		JAN 14, 1986	309.62	S	MAY 15	308.65	S	SEP 16	310.15	S
20	310.70		FEB 07	309.48	S	JUN 19	309.35	S			

WELL 08S 26E 03DCC1 SITE NUMBER 424454113240101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 746 FT, CASED TO 334 FT. LSD 4,346.52 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 17, 1980. RECORDER REMOVED OCT. 22, 1985. MP NO. 1 TOP OF 6-IN CASING, 1.31 FT ABOVE LSD (SINCE OCT. 14, 1977).

RECORDS AVAILABLE 1977, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 254.23 FEET BELOW LAND SURFACE DATUM APR 21, 1986.

LOWEST WATER LEVEL 263.65 FEET BELOW LAND SURFACE DATUM AUG 05, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	257.00		OCT 22, 1985	256.46	S	MAR 24, 1986	254.51	S	JUL 21, 1986	256.37	S
10	256.88		NOV 13	256.16	S	APR 21	254.23	S	AUG 20	256.23	S
15	256.67		JAN 14, 1986	255.31	S	MAY 15	254.47	S	SEP 22	255.77	S
20	256.51		FEB 07	255.23	S	JUN 19	255.31	S			

WELL 08S 26E 33BCB1 SITE NUMBER 424112113255401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, REPORTED DEPTH 242 FT, 8-IN CASING 0-146 FT, 6-IN CASING 142-242 FT, PERFORATED 212-242 FT. LSD 4,212.73 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. ALL MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED SEPT. 25, 1951. RECORDER REMOVED BY US BUREAU OF RECLAMATION AUG. 9, 1972. MP NO. 2 TOP OF HOLE IN CENTER OF CASING COVER EAST SIDE, 1.03 FT ABOVE LSD (SINCE JULY 23, 1975).

RECORDS AVAILABLE 1951 - 1972, 1973 - 1975, 1976, 1977, 1978 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 97.07 FEET BELOW LAND SURFACE DATUM SEP 10, 1952.

LOWEST WATER LEVEL 113.87 FEET BELOW LAND SURFACE DATUM JUL 13, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	108.91	S	MAR 24, 1986	109.72	S	JUL 18, 1986	108.95	S	SEP 22, 1986	107.83	S
JAN 14, 1986	109.76	S	MAY 15	109.60	S						

WELL 08S 26E 33BCB2 SITE NUMBER 424112113255402

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, REPORTED DEPTH 33 FT, CASED TO 1 FT, CONCRETE SEAL 33-34 FT. LSD 4,212.73 NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. MP NO. 2 TOP OF HOLE IN 18-IN CASING COVER SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE JULY 23, 1975).

RECORDS AVAILABLE 1951 - 1957, 1958 - 1962, 1963 - 1971, 1972 - 1977, 1978 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 20.49 FEET BELOW LAND SURFACE DATUM MAY 15, 1986.

LOWEST WATER LEVEL 26.58 FEET BELOW LAND SURFACE DATUM MAR 10, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	23.00	S	MAR 24, 1986	22.08	S	JUL 18, 1986	21.53	S	SEP 22, 1986	21.51	S
JAN 14, 1986	25.02	S	MAY 15	20.49	S						

WELL 08S 27E 23DDD1 SITE NUMBER 424221113152501

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 92.09 FT, CASED TO 85 FT. LSD 4,296.34 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 5/8-IN HOLE IN WELL SEAL FLUSH WITH CONCRETE, 0.60 FT ABOVE LSD (SINCE MAR. 17, 1980).

RECORDS AVAILABLE 1956, 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 71.26 FEET BELOW LAND SURFACE DATUM OCT 18, 1956.

LOWEST WATER LEVEL 75.93 FEET BELOW LAND SURFACE DATUM NOV 17, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23, 1985	72.60 P S	MAR 24, 1986	71.90 S	JUN 19, 1986	71.62 P S	SEP 22, 1986	72.08 S
JAN 14, 1986	72.75 S	APR 21	71.67 S	JUL 18	71.24 P S		
FEB 07	72.75 S	MAY 15	71.50 P S	AUG 20	71.94 P S		

WELL 08S 27E 31DDA1 SITE NUMBER 424042113201101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 140 FT, CASED TO 86 FT. LSD 4,202.47 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED AUG. 17, 1951. RECORDER REMOVED SEPT. 12, 1962. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 17, 1951).

RECORDS AVAILABLE 1951 - 1962, 1963 - 1972, 1977, 1978, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 19.63 FEET BELOW LAND SURFACE DATUM OCT 21, 1951.

LOWEST WATER LEVEL 30.39 FEET BELOW LAND SURFACE DATUM JAN 28, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13, 1985	26.69 S	MAR 24, 1986	26.04 S	JUL 18, 1986	25.27 S	SEP 22, 1986	25.34 S
JAN 14, 1986	27.68 S	MAY 15	25.30 S				

WELL 08S 28E 21AAC1 SITE NUMBER 424258113105101

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 14 IN, DEPTH 355 FT, CASED TO 196 FT. LSD 4,398.0 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP EDGE OF 2X12-IN PLANK, 1.80 FT ABOVE LSD (SINCE MAR. 17, 1980).

RECORDS AVAILABLE 1956, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 157.24 FEET BELOW LAND SURFACE DATUM JUL 18, 1986.

LOWEST WATER LEVEL 162.78 FEET BELOW LAND SURFACE DATUM MAR 17, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23, 1985	159.74 S	MAR 18, 1986	158.47 S	JUN 12, 1986	157.65 S	SEP 22, 1986	159.48 P S
JAN 15, 1986	159.02 S	APR 25	157.90 S	JUL 18	157.24 S		
FEB 13	158.68 S	MAY 19	157.85 S	AUG 20	159.06 S		

WELL 08S 28E 32CDD1 SITE NUMBER 424032113123001

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10-8-6 IN, DEPTH 210 FT, CASED TO 94.33 FT. LSD 4,379 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF HOLE IN CASING COVER, 2.10 FT BELOW LSD (SINCE MAR. 18, 1980).

RECORDS AVAILABLE 1956, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 156.02 FEET BELOW LAND SURFACE DATUM OCT 18, 1956.

LOWEST WATER LEVEL 160.50 FEET BELOW LAND SURFACE DATUM MAR 18, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 15, 1986	158.57	S	APR 25, 1986	157.77	S	JUN 12, 1986	157.61	R S	AUG 20, 1986	157.88	S
FEB 13	158.40	S	MAY 15	157.64	S	JUL 18	157.68	S	SEP 22	157.94	R S
MAR 18	158.07	S									

BOISE COUNTY

WELL 09N 04E 22BDD1 SITE NUMBER 440602115580301

DRILLED DOMESTIC WATER-TABLE WELL IN COARSE SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 111 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,100 FT NGVD OF 1929. MP NO. 1 ACCESS HOLE IN TOP OF 6-IN CASING, 0.80 FT ABOVE LSD (SINCE JULY 12, 1971).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 52.66 FEET BELOW LAND SURFACE DATUM JUL 18, 1984.

LOWEST WATER LEVEL 57.80 FEET BELOW LAND SURFACE DATUM JAN 22, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 14, 1986	54.43	S	JUL 15, 1986	54.36	S	SEP 29, 1986	54.67	S

WELL 03N 34E 32BBC1 SITE NUMBER 433307112300001

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 786.0 FT, CASED TO 786 FT, PERFORATED 741-786 FT, GRAVEL PACKED BACKFILL AROUND CASING. LSD 5,216.55 FT NGVD OF 1929. JULY 26, 1957, WELL HAD FILLED IN TO A DEPTH OF 720.6 FT. MAY 27, 1964, WELL WAS CLEANED TO A DEPTH OF 786.0 FT. MP NO. 3 TOP OF 8-IN CASING NORTHEAST SIDE, 1.46 FT ABOVE LSD (SINCE MAY 27, 1964).

RECORDS AVAILABLE 1950 - 1951, 1952 - 1953, 1954 - 1957, 1964 TO CURRENT YEAR.

HIGHEST WATER LEVEL 716.67 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 725.74 FEET BELOW LAND SURFACE DATUM AUG 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	719.01	S	FEB 18, 1986	718.00	S	APR 18, 1986	718.86	S	JUL 26, 1986	720.34	S
NOV 26	718.38	S									

WELL 03N 37E 02CBD1 SITE NUMBER 433656112043901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 TO 18 IN, REPORTED DEPTH 508 FT, 20-IN CASING 0-18 FT, 18-IN CASING 217-270 FT. LSD 4,815.97 FT NGVD OF 1929. MP NO. 1 TOP OF CASING, 0.50 FT ABOVE LSD (SINCE MAY 20, 1957).

RECORDS AVAILABLE 1957 - 1971, 1972 - 1976, 1977 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 145.47 FEET BELOW LAND SURFACE DATUM SEP 17, 1973.

LOWEST WATER LEVEL 176.90 FEET BELOW LAND SURFACE DATUM MAY 20, 1957.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 11, 1985	147.99	S	MAR 10, 1986	170.96	S	SEP 09, 1986	146.29	S

WELL 03N 37E 12BDB1 SITE NUMBER 433625112031801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 550 FT, CASED TO 200 FT. LSD 4,752.09 FT NGVD OF 1929. RECORDER INSTALLED OCT. 2, 1980. MP NO. 2 TOP OF 6-IN CASING WEST SIDE AT LSD (SINCE SEPT. 24, 1980).

RECORDS AVAILABLE 1976 - 1977, 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 100.50 FEET BELOW LAND SURFACE DATUM SEP 28, 1982.

LOWEST WATER LEVEL 133.92 FEET BELOW LAND SURFACE DATUM APR 28, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	112.36	S	MAR 13, 1986	129.95	S	JUN 10, 1986	123.97	S	SEP 09, 1986	100.73	S
DEC 24	120.02	S	APR 30	132.21	S	JUL 15	110.66	S			
JAN 06, 1986	121.92	S	MAY 13	130.95	S	AUG 12	103.14	S			

BONNEVILLE COUNTY -- CONTINUED

WELL 03N 38E 22BAB1 SITE NUMBER 433457111583701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN , REPORTED DEPTH 155 FT, CASED TO 66 FT. LSD ABOUT 4,790 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE IN WELL SEAL SOUTH SIDE, 1.90 FT ABOVE LSD (SINCE SEPT. 19, 1973).

RECORDS AVAILABLE 1973 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 86.97 FEET BELOW LAND SURFACE DATUM SEP 11, 1986.

LOWEST WATER LEVEL 130.32 FEET BELOW LAND SURFACE DATUM MAY 17, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	91.48	S	JAN 09, 1986	116.08	S	MAY 15, 1986	126.30	S	SEP 11, 1986	86.97	S
NOV 21	104.67	S	MAR 13	122.80	S	JUL 17	101.16 P	S			

WELL 03N 40E 08BAA1 SITE NUMBER 433638111462901

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 18 TO 8 IN, DEPTH 425.0 FT, 18-IN CASING 0-380 FT, 8-IN CASING 380-435 FT. LSD 5,042.60 FT NGVD OF 1929. MP NO. 3 TOP OF 3/4-IN HOLE IN WELL SEAL SOUTH SIDE OF CAP, 2.53 FT ABOVE LSD (SINCE OCT. 27, 1969).

RECORDS AVAILABLE 1957 - 1966, 1967 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 125.00 FEET BELOW LAND SURFACE DATUM SEP 26, 1979.

LOWEST WATER LEVEL 184.29 FEET BELOW LAND SURFACE DATUM APR 27, 1960.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	126.90	S	MAR 13, 1986	167.63	S	SEP 11, 1986	126.31	S

WELL 02N 35E 02BBC1 SITE NUMBER 433218112191601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 682.5 FT, CASED TO 108 FT. LSD 5,089.83 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. JULY 1, 1969, WELL WAS DEEPENED BY CORE DRILL TO A DEPTH OF 800.0 FT, DIAM 3 IN, GRAVEL FILL 651-800 FT, CONCRETE SEAL 800-883 FT, 3/4-IN PIEZOMETER TUBE 0-651 FT, PERFORATED 643.5-648.5 FT. MP NO. 2 TOP OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JAN. 27, 1972).

RECORDS AVAILABLE 1950 - 1953, 1954 - 1959, 1960 - 1962, 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.29 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 585.85 FEET BELOW LAND SURFACE DATUM JUL 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	576.01	S	NOV 26, 1985	575.93	S	FEB 18, 1986	575.32	S	APR 19, 1986	577.04	S

WELL 02N 35E 02BBC2 SITE NUMBER 433218112191602

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 982 FT, 3/4-IN PIEZOMETER TUBE 0-917 FT, PERFORATED 909.5-914.5 FT, GRAVEL FILL 883-982 FT, CONCRETE SEAL 800-883 FT, 982-1,038 FT. LSD 5,089.83 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JULY 23, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.26 FEET BELOW LAND SURFACE DATUM NOV 24, 1973.

LOWEST WATER LEVEL 584.68 FEET BELOW LAND SURFACE DATUM JUL 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	575.47	S	NOV 26, 1985	575.25	S	FEB 18, 1986	575.47	S	APR 19, 1986	577.06	S

WELL 02N 35E 02BBC3 SITE NUMBER 433218112191603

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,147 FT, 3/4-IN PIEZOMETER TUBE 0-1,125 FT, PERFORATED 1,117.5-1,122.5 FT, GRAVEL FILL 1,038-1,147 FT, CONCRETE SEAL 982-1,038 FT, 1,147-1,178 FT. LSD 5,089.83 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JULY 23, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.51 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 584.70 FEET BELOW LAND SURFACE DATUM JUL 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	575.59	S	NOV 26, 1985	575.26	S	FEB 18, 1986	575.68	S	APR 19, 1986	577.16	S

WELL 02N 37E 02ABA1 SITE NUMBER 433220112040701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 501.5 FT, CASED TO 223 FT, CONCRETE SEAL 218-223 FT. LSD 4,724.93 FT NGVD OF 1929. RECORDER INSTALLED OCT. 1, 1980. RECORDER REMOVED NOV. 21, 1985. MP NO. 2 TOP OF 6-IN CASING SOUTH SIDE AT LSD (SINCE SEPT. 25, 1980).

RECORDS AVAILABLE 1975, 1977 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 143.4 FEET BELOW LAND SURFACE DATUM NOV 17, 1975.

LOWEST WATER LEVEL 174.76 FEET BELOW LAND SURFACE DATUM MAY 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	147.92	OCT 31, 1985	148.85	NOV 21, 1985	150.90	S	JUN 10, 1986	166.16	S
10	147.82	NOV 05	149.36	DEC 24	154.62	S	JUL 18	159.17	S
15	148.05	10	149.55	JAN 08, 1986	157.68	S	AUG 12	153.56	S
20	148.20	15	150.43	MAR 13	163.90	S	SEP 11	149.27	S
25	148.47	20	150.81	MAY 13	167.27	S			

WELL 02N 38E 16ADD1 SITE NUMBER 433029111590201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 225.0 FT, 6-IN CASING 0-36 FT, 4-IN CASING 0-185 FT. LSD ABOUT 4,738 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 0.70 FT ABOVE LSD (SINCE FEB. 9, 1970).

RECORDS AVAILABLE 1970 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 95.88 FEET BELOW LAND SURFACE DATUM AUG 14, 1978.

LOWEST WATER LEVEL 129.11 FEET BELOW LAND SURFACE DATUM MAY 22, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	100.30	S	MAR 13, 1986	119.86	S	SEP 11, 1986	97.78	S

WELL 01N 36E 01CCB1 SITE NUMBER 432633112105301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 217.0 FT, CASED TO 185 FT, PERFORATED 150-182 FT. LSD 4,674.05 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED APR. 6, 1960. RECORDER REMOVED NOV. 11, 1971. MP NO. 5 TOP OF 1-IN PIPE COUPLING, 1.54 FT ABOVE LSD (SINCE AUG. 11, 1980).

RECORDS AVAILABLE 1958, 1960 - 1971, 1972 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 142.95 FEET BELOW LAND SURFACE DATUM OCT 16, 1971.

LOWEST WATER LEVEL 158.00 FEET BELOW LAND SURFACE DATUM MAY 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	151.21	S	SEP 12, 1986	147.01	S

WELL 01N 37E 15BBA1 SITE NUMBER 432528112055701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 140 FT, 3/4-IN PIEZOMETER TUBE 0-118 FT, PERFORATED 111-116 FT, GRAVEL FILL 0-140 FT, CONCRETE SEAL 140-167 FT. LSD 4,645.70 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 1 TOP OF 3/4-IN PIPE NORTH SIDE, 0.88 FT ABOVE LSD (SINCE SEPT. 20, 1973).

RECORDS AVAILABLE 1971, 1973 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 83.15 FEET BELOW LAND SURFACE DATUM SEP 20, 1973.

LOWEST WATER LEVEL 109.60 FEET BELOW LAND SURFACE DATUM MAY 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	92.22	S	MAR 13, 1986	102.43	S	JUL 18, 1986	95.50	S	SEP 11, 1986	88.98	S
JAN 09, 1986	97.49	S	MAY 15	104.51	S						

WELL 01N 37E 15BBA2 SITE NUMBER 432528112055702

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 255 FT, 3/4-IN PIEZOMETER TUBE 0-187.8 FT, PERFORATED 180.8-185.8 FT, GRAVEL FILL 167-255 FT, CONCRETE SEAL 140-167 FT, 255-280 FT. LSD 4,645.70 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 1 TOP OF 3/4-IN PIPE NORTH SIDE, 0.65 FT ABOVE LSD (SINCE SEPT. 20, 1973).

RECORDS AVAILABLE 1971, 1973 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 83.04 FEET BELOW LAND SURFACE DATUM SEP 20, 1973.

LOWEST WATER LEVEL 109.46 FEET BELOW LAND SURFACE DATUM MAY 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	92.04	S	MAR 13, 1986	102.23	S	JUL 18, 1986	95.60	S	SEP 11, 1986	88.89	S
JAN 09, 1986	97.45	S	MAY 15	104.38	S						

WELL 01N 37E 15BBA3 SITE NUMBER 432528112055703

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 356 FT, 3/4-IN PIEZOMETER TUBE 0-318.0 FT, SAND POINT 315.5-318.0 FT, GRAVEL FILL 280-356 FT, CONCRETE SEAL 255-280 FT. LSD 4,645.70 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 1 TOP OF 3/4-IN PIPE NORTH SIDE, 0.50 FT ABOVE LSD (SINCE SEPT. 20, 1973).

RECORDS AVAILABLE 1971, 1973 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 78.29 FEET BELOW LAND SURFACE DATUM SEP 20, 1973.

LOWEST WATER LEVEL 108.56 FEET BELOW LAND SURFACE DATUM MAY 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	89.98	S	MAR 13, 1986	101.39	S	JUL 18, 1986	93.04	S	SEP 11, 1986	85.27	S
JAN 09, 1986	95.88	S	MAY 15	103.99	S						

WELL 10N 27E 19CAA1 SITE NUMBER 441052113171001

DRILLED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 127.5 FT, CASED TO 128 FT, PERFORATED 54-128 FT. LSD ABOUT 6,037 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE INSIDE PUMPBASE SOUTHWEST SIDE, 1.30 FT ABOVE LSD (SINCE SEPT. 24, 1963).

RECORDS AVAILABLE 1963 - 1966, 1970 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 32.89 FEET BELOW LAND SURFACE DATUM JUL 24, 1984.

LOWEST WATER LEVEL 39.78 FEET BELOW LAND SURFACE DATUM APR 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	34.82	S	MAR 18, 1986	34.92	S	JUL 16, 1986	42.53	P S	SEP 12, 1986	34.23	S
JAN 04, 1986	35.05	S	MAY 07	34.51	S						

WELL 07N 31E 34BDD1 SITE NUMBER 435339112444601

FORMERLY SITE ID NO. 435340112444901, WELL NO. 07N 31E 34BDC1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 320 FT, CASED TO 320 FT, PERFORATED 285-320 FT, CEMENTED BOTTOM. LSD 4,848.83 FT NGVD OF 1929. RECORDER INSTALLED OCT. 15, 1952. RECORDER REMOVED OCT. 13, 1954. RECORDER INSTALLED MAY 12, 1961. MP NO. 2 TOP OF 6 1/4-IN CASING NORTHEAST SIDE, 2.40 FT ABOVE LSD (SINCE OCT. 15, 1952).

RECORDS AVAILABLE 1952 - 1954, 1955 - 1960, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 262.06 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 270.99 FEET BELOW LAND SURFACE DATUM OCT 09, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04, 1985	265.77	DEC 25, 1985	264.40	MAR 20, 1986	263.27	JUN 10, 1986	262.59
05	265.62	31	264.17	25	263.09	15	262.54
10	265.54	JAN 05, 1986	264.08	31	262.98	20	262.68
15	265.50	10	264.18	APR 05	262.81	25	262.79
20	265.27	15	263.83	10	262.72	30	262.93
25	265.22	20	263.75	15	262.61	JUL 05	263.06
31	265.05	25	264.02	20	262.66	10	263.13
NOV 05	265.07	31	263.62	25	262.30	15	263.19
10	264.80	FEB 05	263.55	30	262.44	20	263.46
15	265.00	10	263.49	MAY 05	262.24	25	263.55
20	264.76	15	263.17	10	262.12	31	263.75
25	264.44	20	263.31	15	262.21	AUG 05	263.78
30	264.46	25	263.48	20	262.15	10	263.88
DEC 05	264.57	28	263.38	21	262.06	15	263.87
10	264.47	MAR 05	263.35	25	262.34	20	264.05
15	264.52	10	263.00	31	262.32	25	263.99
20	264.48	15	263.07	JUN 05	262.30	27	264.03

WELL 06N 25E 03AAA1 SITE NUMBER 435313113272301

DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 4 IN, DEPTH 91.7 FT, CASED TO 110 FT. LSD ABOUT 5,760 FT NGVD OF 1929. RECORDER INSTALLED OCT. 1, 1966. RECORDER REMOVED SEPT. 27, 1971. MP NO. 1 TOP OF 4-IN CASING NORTHEAST SIDE, 0.80 FT ABOVE LSD (SINCE SEPT. 9, 1966).

RECORDS AVAILABLE 1966 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 63.97 FEET BELOW LAND SURFACE DATUM SEP 01, 1974.

LOWEST WATER LEVEL 78.70 FEET BELOW LAND SURFACE DATUM MAR 07, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	71.67	S	MAR 18, 1986	74.54	S	JUL 16, 1986	69.98	S	SEP 11, 1986	68.72	S
JAN 16, 1986	73.92	S	MAY 06	74.54	S						

WELL 06N 28E 13DDA1 SITE NUMBER 435045113031701

DRILLED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 16 IN, REPORTED DEPTH 201 FT, CASED TO 201 FT, PERFORATED 100-201 FT. LSD ABOUT 4,945 FT NGVD OF 1929. MP NO. 2 TOP OF 5/8-IN HOLE INSIDE PUMPBASE NORTHEAST SIDE, 0.80 FT ABOVE LSD (SINCE MAY 5, 1965).

RECORDS AVAILABLE 1964 - 1968, 1969 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 88.71 FEET BELOW LAND SURFACE DATUM MAR 18, 1986.

LOWEST WATER LEVEL 112.61 FEET BELOW LAND SURFACE DATUM MAR 21, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	102.12	S	MAR 18, 1986	88.71	S	JUL 16, 1986	93.09	S	SEP 12, 1986	93.58	S
JAN 14, 1986	91.59	S	MAY 07	95.78	S						

WELL 06N 29E 16DDD1 SITE NUMBER 435033112593701

FORMERLY SITE ID NO. 435032112594001. DRILLED DOMESTIC WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 99.8 FT, CASED TO 101 FT, PERFORATED 94-99 FT, OPEN BOTTOM. LSD ABOUT 4,865 FT NGVD OF 1929. MP NO. 2 TOP OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE NOV. 19, 1963).

RECORDS AVAILABLE 1959 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 51.11 FEET BELOW LAND SURFACE DATUM MAR 12, 1985.

LOWEST WATER LEVEL 81.87 FEET BELOW LAND SURFACE DATUM AUG 28, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 08, 1985	59.63	S	MAR 18, 1986	53.06	S	JUL 16, 1986	63.01	S	SEP 12, 1986	60.80	S
JAN 14, 1986	54.78	S	MAY 07	53.89	S						

BUTTE COUNTY -- CONTINUED

WELL 06N 31E 27BDD1 SITE NUMBER 434915112443901

FORMERLY SITE ID NO. 434930112443901, WELL NO. 06N 31E 27BAD1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 775.0 FT, CASED TO 760 FT, PERFORATED 241-261 FT. LSD 4,790.17 FT NGVD OF 1929. AUG. 1952, WELL WAS DEEPENED TO A DEPTH OF 1,200 FT, LATER CAVED TO 903.0 FT. RECORDER INSTALLED MAY 13, 1950. RECORDER REMOVED MAY 2, 1956. MP NO. 3 TOP OF 6 1/4-IN CASING NORTHEAST SIDE, 1.45 FT ABOVE LSD (SINCE AUG. 26, 1952).

RECORDS AVAILABLE 1950 - 1956, 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 205.60 FEET BELOW LAND SURFACE DATUM MAY 07, 1986.

LOWEST WATER LEVEL 220.24 FEET BELOW LAND SURFACE DATUM JUN 26, 1952.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	208.11	S	NOV 25, 1985	207.56	S	JAN 30, 1986	206.77	S	MAY 07, 1986	205.60	S

WELL 05N 26E 23CDA1 SITE NUMBER 434436113193901

FORMERLY SITE ID NO. 434442113195101, WELL NO. 05N 26E 23CDB1. DRILLED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 197.6 FT, CASING DEPTH NOT AVAILABLE, PERFORATED IN GRAVEL. LSD 5,488.02 FT NGVD OF 1929. MP NO. 2 TOP OF 20-IN CASING WEST SIDE, 0.45 FT BELOW LSD (SINCE OCT. 7, 1959).

RECORDS AVAILABLE 1950 - 1951, 1952 - 1953, 1954 - 1960, 1961 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.13 FEET BELOW LAND SURFACE DATUM SEP 24, 1971.

LOWEST WATER LEVEL 50.87 FEET BELOW LAND SURFACE DATUM MAR 17, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	24.58	S	MAR 17, 1986	26.55	S	JUL 16, 1986	18.68	S	SEP 11, 1986	18.88	S
JAN 14, 1986	25.13	S	MAY 06	25.97	S						

WELL 05N 29E 01BBB1 SITE NUMBER 434751112571801

FORMERLY SITE ID NO. 434745112571501. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 154 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,808 FT NGVD OF 1929. APR. 4, 1966, WELL HAD FILLED IN TO A DEPTH OF 148.8 FT. MP NO.2 TOP OF 16-IN CASING WEST SIDE, 1.20 FT ABOVE LSD (SINCE APR. 4, 1966).

RECORDS AVAILABLE 1959, 1965 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 115.38 FEET BELOW LAND SURFACE DATUM NOV 12, 1971.

LOWEST WATER LEVEL 124.61 FEET BELOW LAND SURFACE DATUM AUG 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 08, 1985	120.24	S	MAR 18, 1986	121.45	S	JUL 16, 1986	120.62	S	SEP 12, 1986	119.73	S
JAN 14, 1986	121.04	S	MAY 07	121.13	S						

WELL 05N 29E 23CDD1 SITE NUMBER 434426112575701

FORMERLY SITE ID NO. 434430112575901, WELL NO. 05N 29E 23CDA1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 399.2 FT, CASED TO 399 FT, PERFORATED 285-306 FT, CEMENTED BOTTOM. LSD 4,800.30 FT NGVD OF 1929. RECORDER INSTALLED OCT. 15, 1952. RECORDER REMOVED NOV. 2, 1970. RECORDER INSTALLED SEPT. 11, 1975. MP NO. 1 TOP OF 6 1/4-IN CASING NORTHEAST SIDE, 1.83 FT ABOVE LSD (SINCE SEPT. 24, 1951).

RECORDS AVAILABLE 1951, 1952 - 1970, 1971 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 251.05 FEET BELOW LAND SURFACE DATUM DEC 08, 1984.

LOWEST WATER LEVEL 277.59 FEET BELOW LAND SURFACE DATUM APR 06, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 05, 1985	266.78		DEC 31, 1985	266.59		APR 10, 1986	255.93		JUL 10, 1986	268.35
10	266.59		JAN 05, 1986	266.90		15	255.78		15	268.37
15	266.59		08	267.19		20	257.14		20	268.45
20	266.59		31	268.63		25	258.48		25	268.46
25	266.55		FEB 05	268.79		30	260.10		31	268.45
31	266.60		10	268.99		MAY 05	261.58		AUG 05	268.38
NOV 05	266.74		15	269.08		10	262.77		10	268.17
10	266.60		20	269.19		15	263.83		15	267.54
15	266.57		25	269.41		20	264.86		20	267.18
20	266.32		28	269.55		25	265.61		25	266.95
23	264.52	S	MAR 05	269.77		31	266.32		31	266.75
DEC 03	264.54		06	269.79		JUN 05	266.71		SEP 05	266.62
05	264.50		10	269.53		10	267.09		10	266.42
08	264.43		15	268.32		15	267.36		15	266.16
10	264.58		20	265.84		20	267.64		20	265.88
15	265.01		25	262.84	S	25	267.97		25	265.54
20	265.61		31	259.45		30	268.20		30	265.18
25	266.15		APR 05	257.20		JUL 05	268.30			

WELL 05N 31E 28CCC1 SITE NUMBER 434334112463101

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12-10-8 IN, DEPTH 716.7 FT, 12-IN CASING 0-339.7 FT, 10-IN CASING 320-376.6 FT, 8-IN CASING 313.1-535 FT. LSD 4,795.03 FT NGVD OF 1929. RECORDER INSTALLED JAN. 13, 1965. RECORDER REMOVED SEPT. 11, 1975. MP NO. 2 TOP OF 1 1/4-IN PIPE COUPLING, 2.20 FT ABOVE LSD (SINCE OCT. 1, 1975).

RECORDS AVAILABLE 1956 - 1964, 1965 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 256.57 FEET BELOW LAND SURFACE DATUM FEB 01, 1972.

LOWEST WATER LEVEL 272.63 FEET BELOW LAND SURFACE DATUM SEP 22, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	262.74	S	NOV 25, 1985	260.98	S	JAN 30, 1986	259.90	S	MAY 02, 1986	260.56	S

WELL 04N 26E 21ABB1 SITE NUMBER 434001113215201

FORMERLY SITE ID NO. 434004113220101. DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8-6-4 IN, DEPTH 759.6 FT, 8-IN CASING 0-431 FT, 6-IN CASING 0-650 FT, 4-IN CASING 633-760 FT, PERFORATED 656-661 FT, 665-690 FT, JOHNSON NEOPRENE PACKER SET AT 633.5 FT. LSD ABOUT 5,390 FT NGVD OF 1929. MP NO. 2 TOP OF 8-IN CASING NORTH SIDE, 2.30 FT ABOVE LSD (SINCE DEC. 6, 1977).

RECORDS AVAILABLE 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 578.40 FEET BELOW LAND SURFACE DATUM MAR 26, 1985.

LOWEST WATER LEVEL 592.18 FEET BELOW LAND SURFACE DATUM OCT 29, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	586.10	S	MAR 19, 1986	581.27	S	JUL 16, 1986	581.88	S	SEP 11, 1986		O
JAN 14, 1986	580.97	S	MAY 06	581.26	S						

WELL 04N 26E 26DCD1 SITE NUMBER 433819113191601

FORMERLY SITE ID NO. 433825113192301. DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, DEPTH 143.0 FT, CASED TO 143 FT. LSD 5,332.25 FT NGVD OF 1929. MAY 22, 1974, WELL HAD FILLED IN TO A DEPTH OF 136.5 FT. MP NO. 1 TOP OF 8-IN CASING WEST SIDE, 1.10 FT ABOVE LSD (SINCE AUG. 24, 1949).

RECORDS AVAILABLE 1949 - 1953, 1954 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 35.52 FEET BELOW LAND SURFACE DATUM NOV 28, 1984.

LOWEST WATER LEVEL 48.62 FEET BELOW LAND SURFACE DATUM MAR 17, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	38.51	JAN 10, 1986	39.62	APR 15, 1986	39.47	JUL 15, 1986	43.40
10	38.86	15	39.55	20	39.59	20	44.63
15	38.72	20	39.57	25	39.45	23	44.85
20	38.61	25	39.73	30	39.44	25	44.82
25	38.52	31	39.63	MAY 05	39.43	31	43.62
30	38.65	FEB 05	39.65	10	39.11	AUG 05	41.91
NOV 06	38.79	10	39.72	15	39.20	10	42.79
08	38.78	15	39.66	20	39.49	15	42.85
15	38.96	20	39.57	25	40.30	20	40.63
20	38.97	25	39.63	31	41.87	25	38.54
25	39.14	28	39.62	JUN 05	42.40	31	38.08
27	39.28	MAR 05	39.51	10	38.79	SEP 05	37.75
DEC 13	39.37	10	39.35	15	40.63	10	37.62
15	39.39	20	39.52	20	42.21	15	37.51
20	39.46	25	39.47	25	40.69	19	37.40
25	39.48	31	39.59	30	40.32	20	37.49
31	39.49	APR 05	39.56	JUL 05	42.33	25	37.51
JAN 05, 1986	39.53	10	39.51	10	43.75	30	37.57

WELL 04N 26E 32CBB1 SITE NUMBER 433748113234001

FORMERLY SITE ID NO. 433750113234501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 253.0 FT, CASED TO 205.5 FT. LSD 5,371.22 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED JULY 21, 1977. MP NO. 1 TOP OF CASING NORTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE APR. 30, 1965).

RECORDS AVAILABLE 1958, 1960 - 1964, 1965 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 194.80 FEET BELOW LAND SURFACE DATUM OCT 25, 1983.

LOWEST WATER LEVEL 208.72 FEET BELOW LAND SURFACE DATUM APR 17, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	197.84	JAN 10, 1986	198.84	APR 15, 1986	198.75	JUL 15, 1986	197.22
10	197.88	15	198.28	20	199.06	20	197.40
15	197.96	20	198.27	25	198.49	25	197.17
20	197.76	25	198.97	30	198.96	31	197.08
25	197.84	31	198.37	MAY 05	198.73	AUG 05	196.82
31	197.71	FEB 05	198.41	10	198.62	10	196.75
NOV 05	197.88	10	198.48	15	198.89	15	196.56
10	197.61	15	198.08	17	199.18	20	196.75
15	198.34	20	198.58	20	198.76	25	196.43
20	198.06	25	199.00	25	199.05	31	196.40
25	197.63	28	198.87	31	198.82	SEP 05	196.38
30	197.91	MAR 05	198.84	JUN 05	198.60	10	196.15
DEC 05	198.52	10	198.31	10	198.84	15	196.24
10	198.45	15	198.64	15	198.30	20	196.28
15	198.68	20	199.18	20	198.16	24	195.67
20	198.72	25	198.92	25	197.91	25	195.87
25	198.68	31	198.89	30	197.80	30	196.29
31	198.46	APR 05	198.75	JUL 05	197.73		
JAN 05, 1986	198.49	10	198.74	10	197.48		

WELL 04N 29E 09DCD1 SITE NUMBER 434055112595901

FORMERLY SITE ID NO. 434056113000101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 463 FT, 6-IN CASING 0-440 FT, 5-IN CASING 430-463 FT, PERFORATED 410-430 FT, OPEN BOTTOM. LSD 4,884.25 FT NGVD OF 1929. RECORDER INSTALLED OCT. 16, 1952. RECORDER REMOVED NOV. 16, 1954. MP NO. 4 TOP OF 6-IN CASING NORTHEAST SIDE, 2.67 FT ABOVE LSD (SINCE NOV. 1, 1983).

RECORDS AVAILABLE 1952 - 1954, 1955 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 382.76 FEET BELOW LAND SURFACE DATUM FEB 10, 1972.

LOWEST WATER LEVEL 401.06 FEET BELOW LAND SURFACE DATUM OCT 01, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	389.13	S	DEC 03, 1985	388.92	S	JAN 30, 1986	388.06	S	APR 21, 1986	388.76	S

WELL 04N 30E 07ADB1 SITE NUMBER 434126112550701

FORMERLY SITE ID NO. 434128112551201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 TO 10 IN, DEPTH 692 FT, 12-IN CASING 0-388 FT, 10-IN CASING 335-587 FT, CONCRETE SEAL 385-387 FT. LSD 4,820.50 FT NGVD OF 1929. WELL CAVED TO A DEPTH OF 563 FT. RECORDER INSTALLED MAR. 17, 1951. RECORDER REMOVED JULY 23, 1956. RECORDER INSTALLED JULY 10, 1969. MP NO. 6 TOP OF 12-IN CASING NORTHEAST SIDE, 1.78 FT ABOVE LSD (SINCE JUNE 5, 1952).

RECORDS AVAILABLE 1950, 1951 - 1956, 1957 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 308.24 FEET BELOW LAND SURFACE DATUM JAN 11, 1972.

LOWEST WATER LEVEL 330.27 FEET BELOW LAND SURFACE DATUM JUL 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04, 1985	317.29	FEB 05, 1986	316.76		MAY 05, 1986	315.45	JUL 20, 1986	316.05
05	317.13	06	316.85		10	315.30	25	316.07
10	317.11	MAR 03	317.10	S	15	315.35	31	316.14
15	317.11	05	317.11		20	315.20	AUG 05	316.10
20	316.95	10	316.95		25	315.45	10	316.15
25	317.02	15	317.15		31	315.48	15	316.12
31	316.83	20	317.34		JUN 05	315.46	20	316.23
NOV 05	316.86	25	317.24		10	315.69	25	316.17
10	316.71	31	317.14		15	315.64	31	316.12
15	316.93	APR 05	316.85		20	315.70	SEP 05	316.08
19	316.72	10	316.57		25	315.74	10	316.07
25	316.58	15	316.27		30	315.84	15	316.00
DEC 24	316.67	20	316.10		JUL 05	315.93	20	315.97
JAN 30, 1986	316.72	25	315.64		10	315.92	25	315.77
31	316.75	30	315.67		15	315.92	30	315.81

WELL 04N 30E 22BDD1 SITE NUMBER 433937112515401

FORMERLY SITE ID NO. 433938112520001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 498.0 FT, 6-IN CASING 0 405.9 FT, 5-IN CASING 365.2-495.8 FT, PERFORATED 437.8-444.8 FT. LSD 4,834.73 FT NGVD OF 1929. RECORDER INSTALLED JUNE 6, 1952. RECORDER REMOVED SEPT. 30, 1954. MP NO. 4 TOP OF 6 1/4-IN CASING WITH FLANGE NORTHEAST SIDE, 2.31 FT ABOVE LSD (SINCE JUNE 5, 1952).

RECORDS AVAILABLE 1951, 1952 - 1954, 1955 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 342.25 FEET BELOW LAND SURFACE DATUM APR 24, 1972.

LOWEST WATER LEVEL 355.43 FEET BELOW LAND SURFACE DATUM NOV 02, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1965	346.30	S	NOV 25, 1985	346.83	S	JAN 30, 1986	346.06	S	MAY 02, 1986	345.92	S

WELL 04N 31E 16ADC1 SITE NUMBER 434031112453701

FORMERLY SITE ID NO. 434031112452701, WELL NO. 04N 31E 16ADD1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 475.0 FT, 6-IN CASING 0-403.7 FT, 5-IN CASING 395-487 FT. PERFORATED 452-487.1 FT. LSD 4,899.89 FT NGVD OF 1929. SEPT. 12, 1952, WELL WAS DEEPENED AND RECASED, DEPTH 620.0 FT, 4-IN CASING 0-532.0 FT. RECORDER INSTALLED MAR. 17, 1953. RECORDER REMOVED APR. 7, 1953. MP NO. 2 CHISELED X IN TOP OF 4-IN CASING NORTHEAST SIDE, 1.84 FT ABOVE LSD (SINCE SEPT. 18, 1952).

RECORDS AVAILABLE 1950 - 1952, 1953, 1954 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 406.61 FEET BELOW LAND SURFACE DATUM FEB 27, 1973.

LOWEST WATER LEVEL 415.06 FEET BELOW LAND SURFACE DATUM SEP 22, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	409.10	S	NOV 25, 1985	408.39	S	JAN 30, 1986	408.02	S	MAY 07, 1986	408.24	S

WELL 03N 29E 14ADD1 SITE NUMBER 433520112572601

FORMERLY SITE ID NO. 433523112572601, WELL NO. 03N 29E 14ADB1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 588.0 FT, CASED TO 590 FT, PERFORATED 447-588 FT. LSD 4,917.64 FT NGVD OF 1929. RECORDER INSTALLED JAN. 7, 1950. RECORDER REMOVED JULY 7, 1960. RECORDER INSTALLED JULY 11, 1963. MP NO. 2 TOP OF 8-IN CASING AT PAINTED SPOT NORTH SIDE, 1.00 FT ABOVE LSD (SINCE DEC. 18, 1949).

RECORDS AVAILABLE 1949, 1950 - 1960, 1962, 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 447.52 FEET BELOW LAND SURFACE DATUM MAR 01, 1953.

LOWEST WATER LEVEL 466.25 FEET BELOW LAND SURFACE DATUM SEP 28, 29, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	452.20	DEC 05, 1985	451.92		JUN 10, 1986	466.16	AUG 15, 1986	465.95
10	452.20	10	451.86		15	465.94	20	466.13
15	452.24	15	452.00		20	465.94	25	466.08
20	452.10	20	452.05		25	465.92	31	466.12
25	452.10	25	452.05		30	465.93	SEP 05	466.14
31	452.02	31	451.91		JUL 05	465.99	10	466.12
NOV 05	452.11	JAN 05, 1986	451.87		10	465.86	15	466.07
10	451.83	10	452.07		15	465.81	20	466.13
15	452.14	14	451.86		20	465.93	25	465.93
20	451.94	MAY 21	465.92	S	25	465.96	28	466.25
25	451.63	25	466.17		31	466.02	29	466.25
29	451.52	31	466.06		AUG 05	465.95	30	466.17
30	451.74	JUN 05	465.94		10	466.03		

WELL 03N 29E 19CBB1 SITE NUMBER 433422113031701

FORMERLY SITE ID NO. 433423113031901. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 657 FT, CASED TO 657 FT, PERFORATED 619-633 FT, 644-657 FT. LSD 5,049.20 FT NGVD OF 1929. RECORDER INSTALLED AUG. 18, 1955. RECORDER REMOVED MAR. 13, 1956. RECORDER INSTALLED JAN. 31, 1961. RECORDER REMOVED JAN. 2, 1962. MP NO. 2 TOP OF 6-IN CASING NORTHEAST SIDE, 1.69 FT ABOVE LSD (SINCE JUNE 21, 1952).

RECORDS AVAILABLE 1951 - 1954, 1955 - 1956, 1957 - 1960, 1961, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 510.68 FEET BELOW LAND SURFACE DATUM MAR 22, 1965.

LOWEST WATER LEVEL 610.14 FEET BELOW LAND SURFACE DATUM DEC 11, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 24, 1985	603.44	S	NOV 26, 1985	603.35	S	JAN 29, 1986	603.83	S	APR 02, 1986	603.92	S

WELL 03N 30E 12CDD1 SITE NUMBER 433543112493801

FORMERLY SITE ID NO. 433542112494101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 500 FT, CASED TO 500 FT, PERFORATED 475-497 FT. LSD 4,938.73 FT NGVD OF 1929. APR. 29, 1969, SURFACE WATER ENTERED WELL AT LSD AND PLUGGED WELL TO AQUIFER. JAN. 22, 1973, WELL HAD FILLED IN TO A DEPTH OF 452.8 FT. JULY 31, 1975, WELL WAS CLEANED AND SURGED TO A DEPTH OF 500 FT. DEC. 1, 1975, WELL HAD FILLED IN TO A DEPTH OF 494 FT. RECORDER INSTALLED OCT. 24, 1951. RECORDER REMOVED NOV. 29, 1951. MP NO. 3 TOP OF 6 1/4-IN CASING NORTHEAST SIDE, 1.37 FT ABOVE LSD (SINCE OCT. 29, 1952).

RECORDS AVAILABLE 1950, 1951, 1952 - 1953, 1954 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 460.77 FEET BELOW LAND SURFACE DATUM APR 22, 1976.

LOWEST WATER LEVEL 467.79 FEET BELOW LAND SURFACE DATUM NOV 23, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	461.28	S	NOV 21, 1985	461.10	S	JAN 30, 1986	460.89	S	MAY 02, 1986	460.85	S

WELL 03N 30E 31AAD1 SITE NUMBER 433253112545901

FORMERLY SITE ID NO. 433253112550301. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 676 FT, 8-IN CASING 0-406 FT, 6-IN CASING 399-676 FT, PERFORATED 471-481 FT, 512-553 FT. LSD 4,915.85 FT NGVD OF 1929. RECORDER INSTALLED OCT. 17, 1952. RECORDER REMOVED AUG. 4, 1955. RECORDER INSTALLED JUNE 30, 1960. RECORDER REMOVED OCT. 10, 1961. MP NO. 2 TOP OF 8-IN CASING NORTHEAST SIDE, 1.73 FT ABOVE LSD (SINCE DEC. 27, 1951).

RECORDS AVAILABLE 1951, 1952 - 1955, 1956 - 1959, 1960 - 1961, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 453.14 FEET BELOW LAND SURFACE DATUM APR 27, 1953.

LOWEST WATER LEVEL 461.61 FEET BELOW LAND SURFACE DATUM OCT 05, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 28, 1985	455.48	S	NOV 21, 1985	455.39	S	JAN 30, 1986	455.31	S	APR 28, 1986	455.31	S

WELL 03N 32E 29DDC1 SITE NUMBER 433320112432301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 704 FT, 6-IN CASING 0-434 FT, 5-IN CASING 427-704 FT, PERFORATED 675-696 FT. LSD 5,125.87 FT NGVD OF 1929. RECORDER INSTALLED MAY 14, 1950. RECORDER REMOVED OCT. 4, 1954. RECORDER INSTALLED MAY 24, 1961. RECORDER REMOVED JAN. 4, 1962. MP NO. 3 PAINTED CROSS TOP OF 6 1/4-IN CASING NORTH SIDE, 1.90 FT ABOVE LSD (SINCE MAY 10, 1950).

RECORDS AVAILABLE 1950 - 1954, 1955 - 1960, 1961 - 1962, 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 651.10 FEET BELOW LAND SURFACE DATUM JAN 07, 1950.

LOWEST WATER LEVEL 659.51 FEET BELOW LAND SURFACE DATUM SEP 25, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 23, 1985	653.84	S	DEC 05, 1985	653.54	S	FEB 07, 1986	653.16	S	MAY 02, 1986	653.24	S

WELL 02N 26E 22DDA1 SITE NUMBER 432854113201001

FORMERLY SITE ID NO. 432853113201201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 719.4 FT, CASED TO 719.4 FT, PERFORATED 670-675 FT, 712-717 FT. ORIGINAL WELL WAS DRILLED TO A DEPTH OF 1,053 FT, CASED TO 728 FT. SEPT. 10, 1971, INSTALLED 6-IN INFLATABLE PACKER 719.4-721.8 WELDED TO 2-IN PIPE, INSTALLED 1-IN MEASURING PIPE 0-719.4 FT, PERFORATED 698.4-719.4 FT. LSD 5,361.81 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF 1-IN PIPE COUPLING EAST SIDE, 2.09 FT ABOVE LSD (SINCE SEPT. 10, 1971).

RECORDS AVAILABLE 1971 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 656.33 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 663.74 FEET BELOW LAND SURFACE DATUM NOV 15, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
APR 14, 1986	658.42	S	SEP 10, 1986	656.33	S

WELL 02N 26E 22DDA2 SITE NUMBER 432854113201002

FORMERLY SITE ID NO. 432853113201202. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 1,053 FT, CASED TO 728 FT. SEPT 10, 1971, INSTALLED 6-IN INFLATABLE PACKER 719.4-721.8 FT WELDED TO 2-IN PIPE TO SEAL OFF PERCHED WATER ZONE. 2-IN PIPE PERFORATED 1,030-1,051 FT. LSD 5,361.81 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 2 TOP OF 2-IN PIPE COUPLING, 2.12 FT ABOVE LSD (SINCE SEPT. 10, 1971).

RECORDS AVAILABLE 1970 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 977.81 FEET BELOW LAND SURFACE DATUM APR 24, 1985.

LOWEST WATER LEVEL 983.55 FEET BELOW LAND SURFACE DATUM DEC 17, 1980.

WATER LEVELS IN FEET BELOW,LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
APR 14, 1986	978.43	S	SEP 10, 1986	980 83	S

WELL 02N 27E 02DDC1 SITE NUMBER 433121113115801

FORMERLY SITE ID NO. 433122113120301. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 812 FT, CASED TO 812 FT, PERFORATED 782-812 FT, OPEN BOTTOM. LSD 5,195.44 FT NGVD OF 1929. RECORDER INSTALLED JULY 18, 1951. RECORDER REMOVED OCT. 21, 1953. RECORDER INSTALLED APR. 6, 1966. RECORDER REMOVED SEPT. 14, 1966. RECORDER INSTALLED JULY 14, 1967. RECORDER REMOVED DEC. 13, 1967. MP NO. 2 CHISELED CROSS IN TOP OF 6-IN CASING NORTH SIDE, 1.88 FT ABOVE LSD (SINCE MAY 10, 1951).

RECORDS AVAILABLE 1950, 1951 - 1953, 1954 - 1960, 1964 - 1965, 1966 - 1967, 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 750.70 FEET BELOW LAND SURFACE DATUM DEC 27, 1950.

LOWEST WATER LEVEL 765.65 FEET BELOW LAND SURFACE DATUM MAY 26, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	760.22	S	NOV 27, 1985	759.19	S	FEB 06, 1986	760.81	S	APR 22, 1986	760.74	S

WELL 02N 28E 13ADD1 SITE NUMBER 433005113032801

FORMERLY SITE ID NO. 433006113033201, WELL NO. 02N 28E 13AD 1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 646 FT, CASED TO 576 FT. LSD 5,028.91 FT NGVD OF 1929. MP NO. 3 TOP OF 1-IN PIPE COUPLING, 2.68 FT ABOVE LSD (SINCE MAR. 1, 1976).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 580.03 FEET BELOW LAND SURFACE DATUM AUG 27, 1984.

LOWEST WATER LEVEL 601.00 FEET BELOW LAND SURFACE DATUM OCT 06, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	588.03	S	JAN 27, 1986	591.68	S	APR 18, 1986	592.65	S	AUG 11, 1986	592.80	S
NOV 25	589.20	S									

WELL 02N 28E 35AAC1 SITE NUMBER 432740113044501

FORMERLY SITE ID NO. 432733113043901, WELL NO. 02N 28E 35ADD1, 02N 28E 35ADA1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 654.1 FT, 8-IN CASING 0-241 FT, 6-IN CASING 235-652 FT, PERFORATED 618-648 FT, LEAD SEAL. LSD 5,030.87 FT NGVD OF 1929. RECORDER INSTALLED NOV. 26, 1952. RECORDER REMOVED AUG. 2, 1956. RECORDER INSTALLED JUNE 29, 1965. RECORDER REMOVED MAY 15, 1968. RECORDER INSTALLED JUNE 2, 1971. MP NO. 6 TOP OF 8-IN CASING, 2.31 FT ABOVE LSD (SINCE JUNE 2, 1971).

RECORDS AVAILABLE 1951, 1952 - 1956, 1957 - 1964, 1965 - 1968, 1969 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 594.22 FEET BELOW LAND SURFACE DATUM JUL 08, 1984.

LOWEST WATER LEVEL 607.45 FEET BELOW LAND SURFACE DATUM SEP 07, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 05, 1985	602.48		DEC 23, 1985	602.87		APR 15, 1986	603.03		AUG 10, 1986	602.61
10	602.47		25	602.92		20	603.18		15	602.63
15	602.51		26	602.82		22	602.95	S	20	602.82
20	602.39		FEB 06, 1986	603.10	S	JUN 02	602.97	S	25	602.82
25	602.48		MAR 04	603.19	S	30	601.89		31	602.85
31	602.45		05	603.19		JUL 04	601.54		SEP 05	602.87
NOV 05	602.56		10	602.91		05	601.92		10	602.86
10	602.38		15	603.03		10	601.90		15	602.84
15	602.62		20	603.28		15	601.95		20	602.88
20	602.48		25	603.27		20	602.18		25	602.72
21	602.41		31	603.37		25	602.28		30	602.78
DEC 04	602.76	S	APR 05	603.22		31	602.46			
05	602.61		10	603.17		AUG 05	602.42			

WELL 01N 29E 30BBD1 SITE NUMBER 432336113064201

FORMERLY SITE ID NO. 432339113064501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 704 FT, CASED TO 704 FT, PERFORATED 673-704 FT, OPEN BOTTOM. LSD 5,066.89 FT NGVD OF 1929. RECORDER INSTALLED JULY 30, 1965. RECORDER REMOVED JULY 22, 1966. MP NO. 2 TOP OF 6-IN CASING NORTHEAST SIDE, 2.11 FT ABOVE LSD (SINCE OCT. 15, 1950).

RECORDS AVAILABLE 1950 - 1951, 1952 - 1964, 1965 - 1966, 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 645.57 FEET BELOW LAND SURFACE DATUM NOV 27, 1984.

LOWEST WATER LEVEL 652.47 FEET BELOW LAND SURFACE DATUM AUG 26, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	647.93	S	DEC 04, 1985	648.17	S	FEB 04, 1986	648.42	S	APR 22, 1986	648.42	S

BUTTE COUNTY -- CONTINUED

WELL 01S 27E 14DCC1 SITE NUMBER 431946113161401

FORMERLY SITE ID NO. 431948113161601. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 1,041 FT, CASED TO 1,031 FT, PERFORATED 1,011-1,031 FT. LSD 5,158.86 FT NGVD OF 1929. RECORDER INSTALLED JULY 23, 1971. RECORDER REMOVED MAY 4, 1972. MP NO. 3 TOP OF 2-IN NIPPLE NORTHEAST SIDE, 1.59 FT ABOVE LSD (SINCE MAY 4, 1972).

RECORDS AVAILABLE 1970, 1971 - 1972, 1973 - 1981, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 990.00 FEET BELOW LAND SURFACE DATUM APR 27, 1973.

LOWEST WATER LEVEL 1001.55 FEET BELOW LAND SURFACE DATUM SEP 14, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
APR 18, 1986	991.17	S	SEP 10, 1986	990.54	S

CAMAS COUNTY

WELL 01N 14E 36DAD1 SITE NUMBER 432228114421601

DRILLED UNUSED WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 12 IN, REPORTED DEPTH 188 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,106 FT NGVD OF 1929. MP NO. 1 TOP OF CASING SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE MAR. 24, 1977).

RECORDS AVAILABLE 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.24 FEET BELOW LAND SURFACE DATUM MAY 16, 1986.

LOWEST WATER LEVEL 35.30 FEET BELOW LAND SURFACE DATUM JUL 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	19.99	S	MAR 18, 1986	15.93	S	JUL 22, 1986	28.70	S	SEP 16, 1986	23.51	S
JAN 06, 1986	18.52	S	MAY 16	14.24	S						

WELL 01S 12E 13BAA1 SITE NUMBER 432033114584701

DRILLED UNUSED ARTESIAN WELL IN SAND OF QUATERNARY AGE, DIAM 3 IN, REPORTED DEPTH 435 FT, CASED TO 135 FT. LSD 5,090.70 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MAR. 20, 1972, WELL HAD FILLED IN TO A DEPTH OF 218.2 FT. MP NO. 1 TOP OF CASING EAST SIDE, 2.30 FT ABOVE LSD (SINCE SEPT. 12, 1957).

RECORDS AVAILABLE 1957 - 1968, 1969 - 1976, 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.60 FEET BELOW LAND SURFACE DATUM APR 26, 1965.

LOWEST WATER LEVEL 13.54 FEET BELOW LAND SURFACE DATUM OCT 02, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	7.61	S	MAR 18, 1986	5.27	S	JUL 22, 1986	5.39	S	SEP 17, 1986	7.04	S
JAN 06, 1986	7.28	S	MAY 16	3.74	S						

WELL 01S 13E 16BBB1 SITE NUMBER 432032114554201

DRIVEN OBSERVATION WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 13.0 FT, CASED TO 13.0 FT, WELL POINT 10.5-13.0 FT. LSD ABOUT 5,085 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN CASING, 2.30 FT ABOVE LSD (SINCE MAR. 16, 1978).

RECORDS AVAILABLE 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.83 FEET BELOW LAND SURFACE DATUM MAY 09, 1983.

LOWEST WATER LEVEL 6.50 FEET BELOW LAND SURFACE DATUM OCT 23, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	5.94	S	MAR 18, 1986	3.52	S	JUL 22, 1986	3.70	S	SEP 17, 1986	4.81	S
JAN 06, 1986	4.99	S	MAY 16	3.17	S						

CAMAS COUNTY -- CONTINUED

WELL 01S 14E 07DDD1 SITE NUMBER 432035114495101

DUG UNUSED WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 6 IN, DEPTH 10.1 FT, CASING DEPTH NOT AVIALABLE. LSD ABOUT 5,057 FT NGVD OF 1929. MAR. 15, 1978, INSTALLED WELL POINT, DIAM 1 1/4 IN, DEPTH 14.2 FT, CASED TO 11.7 FT, WELL POINT 11.7-14.2 FT, SCREEN 40 MESH. MP NO. 3 TOP OF 1 1/4-IN CASING, 4.30 ABOVE LSD (SINCE MAR. 15, 1978).

RECORDS AVAILABLE 1957, 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.95 FEET BELOW LAND SURFACE DATUM MAR 18, 1986.

LOWEST WATER LEVEL WELL DRY JUL 14, 1977; AUG 16, 1977; SEP 09, 1977; SEP 20, 1977; SEP 30, 1977; OCT 14, 1977; NOV 10, 1977; DEC 16, 1977; JAN 16, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	7.71	S	MAR 18, 1986	0.95	S	JUL 22, 1986	5.65	S	SEP 17, 1986	7.24	S
JAN 06, 1986	7.77	S	MAY 16	2.66	S						

WELL 01S 14E 08DDB1 SITE NUMBER 432043114485001

DRILLED STOCK ARTESIAN WELL IN SAND OF QUATERNARY AGE, DIAM 3 TO 2 IN, REPORTED DEPTH 320 FT, CASED TO 140 FT. LSD ABOUT 5,060 FT NGVD OF 1929. MP NO. 2 TOP OF 2-IN INNER CASING NORTH SIDE AT LSD (SINCE JULY 14, 1977).

RECORDS AVAILABLE 1957 - 1958, 1959 - 1968, 1969 - 1976, 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 18.72 FEET ABOVE LAND SURFACE DATUM MAY 15, 1958.

LOWEST WATER LEVEL 19.43 FEET BELOW LAND SURFACE DATUM JUL 24, 1979.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	2.73	E M	MAR 18, 1986	6.93	E M	JUL 22, 1986		O	SEP 17, 1986		O
JAN 06, 1986	5.69	E S	MAY 16	8.16	E M						

WELL 01S 14E 24ADA1 SITE NUMBER 431924114435501

DRIVEN OBSERVATION WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 12.2 FT, CASED TO 12.2 FT, WELL POINT 9.0-12.0 FT. LSD ABOUT 5,030 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE, 3.10 FT ABOVE LSD (SINCE MAR. 15, 1978).

RECORDS AVAILABLE 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.30 FEET BELOW LAND SURFACE DATUM APR 30, 1982.

LOWEST WATER LEVEL 8.60 FEET BELOW LAND SURFACE DATUM DEC 18, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	6.53	S	MAR 18, 1986	1.[illegible]6	S	JUL 22, 1986	4.88	S	SEP 17, 1986	6.49	S
JAN 06, 1986	6.47	S	MAY 16	3.11	S						

CAMAS COUNTY -- CONTINUED

WELL 01S 14E 24DAD1 SITE NUMBER 431908114435801

DRILLED DOMESTIC ARTESIAN WELL IN BRUNEAU FORMATION, DIAM 6 IN, REPORTED DEPTH 187 FT, CASED TO 169 FT. LSD ABOUT 5,028 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 0.90 FT ABOVE LSD (SINCE JULY 10, 1976).

RECORDS AVAILABLE 1976 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 30.15 FEET BELOW LAND SURFACE DATUM APR 15, 1977.

LOWEST WATER LEVEL 66.90 FEET BELOW LAND SURFACE DATUM JUL 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1985	35.08 S	MAR 18, 1986	31.35 S	MAY 16, 1986	31.97 P S	JUL 22, 1986	N
JAN 06, 1986	34.07 S						

WELL 01S 14E 28DDC1 SITE NUMBER 431756114473801

DRILLED IRRIGATION ARTESIAN WELL IN BRUNEAU FORMATION, DIAM 20 IN, DEPTH 212.1 FT, CASED TO 20 FT. LSD ABOUT 5,040 FT NGVD OF 1929. RECORDER INSTALLED DEC. 10, 1976. RECORDER CHANGED TO DIGITAL AUG. 26, 1977. RECORDER REMOVED APR. 17, 1978. MP NO. 2 TOP OF 20-IN CASING EAST SIDE, 1.20 FT ABOVE LSD (SINCE DEC. 10, 1976).

RECORDS AVAILABLE 1976 - 1977, 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 20.10 FEET BELOW LAND SURFACE DATUM MAY 09, 1983.

LOWEST WATER LEVEL 59.89 FEET BELOW LAND SURFACE DATUM AUG 29, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1985	27.22 S	MAR 18, 1986	20.87 S	JUL 22, 1986	42.68 S	SEP 17, 1986	36.53 S
JAN 08, 1986	25.07 S	MAY 16	22.09 S				

WELL 01S 15E 16ABA1 SITE NUMBER 432029114404001

DRILLED STOCK ARTESIAN WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 2 IN, REPORTED DEPTH 316 FT, CASED TO 316 FT. LSD ABOUT 5,019 FT NGVD OF 1929. MP NO. 1 TOP OF 2-IN GALVANIZED TEE WEST SIDE, 3.40 FT ABOVE LSD (SINCE DEC. 10, 1976).

RECORDS AVAILABLE 1976 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.21 FEET ABOVE LAND SURFACE DATUM MAY 16, 1986.

LOWEST WATER LEVEL 6.56 FEET BELOW LAND SURFACE DATUM AUG 25, 1981.

WATER LEVELS IN FEET ABOVE OR BELOW(-) LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1985	3.98 S	MAR 18, 1986	6.98 E S	JUL 22, 1986	2.60 E S	SEP 17, 1986	-1.22 S
JAN 06, 1986	5.00 E S	MAY 16	9.21 E M				

WELL 06N 05W 30BAB1 SITE NUMBER 435007116591501

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIAL SAND OF QUATERNARY AGE, DIAM 12 IN, REPORTED DEPTH 169 FT, CASED TO 135 FT. LSD ABOUT 2,225 FT NGVD OF 1929. MP NO. 1 HOLE IN PUMPBASE WEST SIDE, 1.00 FT ABOVE LSD (SINCE JAN. 9, 1967).

RECORDS AVAILABLE 1967 - 1970, 1971 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 25.17 FEET BELOW LAND SURFACE DATUM SEP 10, 1968.

LOWEST WATER LEVEL 35.16 FEET BELOW LAND SURFACE DATUM MAY 27, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	28.98 V S	JUL 28, 1986	28.11 V S	SEP 16, 1986	26.03 V S

WELL 05N 05W 18CAC1 SITE NUMBER 434603116590901

DRILLED DOMESTIC WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 250 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,225 FT NGVD OF 1929. MP NO. 1 HOLE IN TOP OF 6-IN CASING SOUTH SIDE, 1.50 FT ABOVE LSD (SINCE JAN. 5, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 7.50 FEET BELOW LAND SURFACE DATUM SEP 07, 1973.

LOWEST WATER LEVEL 13.90 FEET BELOW LAND SURFACE DATUM MAR 20, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	12.37 S	SEP 11, 1986	10.99 S

WELL 05N 04W 13BCB1 SITE NUMBER 434627116461801

DRILLED DOMESTIC WATER-TABLE WELL IN IDAHO GROUP, DIAM 4 IN, DEPTH 105 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,395 FT NGVD OF 1929. MP NO. 1 TOP OF 4-IN CASING, 0.50 FT ABOVE LSD (SINCE JAN. 11, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 16.08 FEET BELOW LAND SURFACE DATUM SEP 16, 1969.

LOWEST WATER LEVEL 23.93 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	27.67 R S	SEP 16, 1986	18.34 S

CANYON COUNTY -- CONTINUED

WELL 05N 02W 22CAD1 SITE NUMBER 434514116334501

FORMERLY SITE ID NO. 434601116342601, WELL NO. 05N 02W 22CAA1. DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 12 TO 3 IN, REPORTED DEPTH 450 FT, 12-IN CASING 0-303 FT, 8-IN CASING 284-403 FT, PERFORATED 279-403 FT. LSD ABOUT 2,610 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/2-IN VERTICAL ACCESS PIPE ON SOUTH SIDE OF PUMP, 1.50 FT ABOVE LSD (SINCE FEB. 21, 1967).

RECORDS AVAILABLE 1967 - 1978, 1979 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 179.65 FEET BELOW LAND SURFACE DATUM MAR 27, 1986.

LOWEST WATER LEVEL 187.83 FEET BELOW LAND SURFACE DATUM JUL 22, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	179.65 S	SEP 16, 1986	181.88 V S

WELL 04N 05W 07DCD1 SITE NUMBER 434132116584001

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 12 IN, REPORTED DEPTH 100 FT, CASED TO 100 FT, PERFORATED 64-100 FT, GRAVEL PACKED 0-73 FT. LSD ABOUT 2,392 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF SLOPING PIPE ON WEST SIDE OF PUMP, 1.00 FT ABOVE LSD (SINCE MAR. 16, 1971).

RECORDS AVAILABLE 1971 - 1978, 1979 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.79 FEET BELOW LAND SURFACE DATUM SEP 26, 1984.

LOWEST WATER LEVEL 16.48 FEET BELOW LAND SURFACE DATUM MAR 22, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	15.36 S	JUL 28, 1986	49.25 P S	SEP 11, 1986	48.88 P S

WELL 04N 04W 05DDB1 SITE NUMBER 434232116501001

DRILLED STOCK ARTESIAN WELL IN IDAHO GROUP, DIAM 4 IN, DEPTH 178 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,284 FT NGVD OF 1929. MP NO. 3 TOP OF 1 1/4-IN ELBOW, 1.80 FT ABOVE LSD (SINCE SEPT. 22, 1983).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.62 FEET ABOVE LAND SURFACE DATUM MAR 16, 1976.

LOWEST WATER LEVEL 3.05 FEET ABOVE LAND SURFACE DATUM JAN 18, 1967.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1986	4.21 M	SEP 11, 1986	5.29 M

WELL 03N 04W 11ADA1 SITE NUMBER 433646116461801

DRILLED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 TO 4 IN, DEPTH 99.4 FT, 6-IN CASING 0-95 FT, 4-IN CASING 94-99.4 FT, PERFORATED 94-99.4 FT. LSD ABOUT 2,497 FT NGVD OF 1929. MAR. 1, 1974, WELL HAD FILLED IN TO A DEPTH OF 91.1 FT. RECORDER INSTALLED AUG. 20, 1953. RECORDER REMOVED OCT. 20, 1954. RECORDER INSTALLED MAY 12, 1967. RECORDER REMOVED NOV. 24, 1971. MP NO. 1 TOP OF CASING, 0.60 FT ABOVE LSD (SINCE MAY 12, 1967).

RECORDS AVAILABLE 1953 - 1954, 1955 - 1966, 1967 - 1971, 1972 - 1975, 1976, 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.69 FEET BELOW LAND SURFACE DATUM AUG 26, 1953.

LOWEST WATER LEVEL 18.38 FEET BELOW LAND SURFACE DATUM MAY 23, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	13.88	S	SEP 11, 1986	10.64	S

WELL 03N 03W 03BCB2 SITE NUMBER 433745116412501

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 TO 4 IN, DEPTH 94.0 FT, 6-IN CASING 0-90.5 FT, PERFORATED 22-25 FT, 4-IN SCREEN 84-94.5 FT. LSD 2,429.23 FT NGVD OF 1929. RECORDER INSTALLED OCT. 19, 1953. RECORDER REMOVED AUG. 20, 1954. MP NO. 3 BOTTOM EDGE OF BOARD ON SOUTH SIDE OF WELL PIT COVER AT LSD (SINCE JULY 18, 1979).

RECORDS AVAILABLE 1953 - 1954, 1955 - 1977, 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 7.13 FEET BELOW LAND SURFACE DATUM SEP 27, 1960.

LOWEST WATER LEVEL 18.14 FEET BELOW LAND SURFACE DATUM MAY 18, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	14.38	S	SEP 11, 1986	12.38	S

WELL 02N 03W 22DDC1 SITE NUMBER 432919116403701

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 14 IN, REPORTED DEPTH 603 FT, CASED TO 580 FT, PERFORATED 400-580 FT, GRAVEL PACKED 0-580 FT. LSD ABOUT 2,750 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN SLANTED ACCESS PIPE ON SOUTHWEST SIDE OF PUMP, 0.90 FT ABOVE LSD (SINCE APR. 27, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 313.00 FEET BELOW LAND SURFACE DATUM APR 27, 1967.

LOWEST WATER LEVEL 394.60 FEET BELOW LAND SURFACE DATUM JUL 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	371.50	S	SEP 11, 1986	384.07	S

WELL 02N 01W 07BBC1 SITE NUMBER 433145116304301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 4 IN, DEPTH 103.0 FT, 6-IN CASING 0-97 FT, 4-IN CASING 96-103 FT, PERFORATED 97.6-102 FT. LSD 2,547.92 FT NGVD OF 1929. RECORDER INSTALLED AUG. 19, 1953. RECORDER REMOVED NOV. 24, 1971. MP NO. 2 TOP OF NIPPLE IN CASING CAP NORTHEAST SIDE, 0.66 FT ABOVE LSD (SINCE JULY 3, 1978).

RECORDS AVAILABLE 1953 - 1971, 1972 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.80 FEET BELOW LAND SURFACE DATUM OCT 12, 1960.

LOWEST WATER LEVEL 16.09 FEET BELOW LAND SURFACE DATUM JAN 18, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 27, 1986	12.33	S	SEP 12, 1986	9.15	S

WELL 01N 02W 05ADD1 SITE NUMBER 432708116353901

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 12 TO 10 IN, REPORTED DEPTH 720 FT, 12-IN CASING 0-423 FT, 10-IN CASING 415-625 FT, PERFORATED 415-625 FT. LSD ABOUT 2,675 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF ACCESS HOLE IN SOUTH SIDE OF CASING, 0.40 FT ABOVE LSD (SINCE APR. 18, 1967).

RECORDS AVAILABLE 1967 - 1970, 1971 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 128.70 FEET BELOW LAND SURFACE DATUM MAR 20, 1968.

LOWEST WATER LEVEL 201.76 FEET BELOW LAND SURFACE DATUM AUG 28, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	
MAR 25, 1986	125.24	V S

WELL 01S 02W 14CCC2 SITE NUMBER 431948116330001

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 235 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,390 FT NGVD OF 1929. MP NO. 1 TOP OF 5/8-IN TAP HOLE IN WELL SEAL, 8.00 FT BELOW LSD (SINCE OCT. 26, 1962).

RECORDS AVAILABLE 1962 - 1976, 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 42.42 FEET BELOW LAND SURFACE DATUM SEP 28, 1966.

LOWEST WATER LEVEL 74.87 FEET BELOW LAND SURFACE DATUM MAR 15, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	
SEP 12, 1986	44.04	S

WELL 07S 39E 10CCD1 SITE NUMBER 424926111532601

DRILLED UNUSED WATER-TABLE WELL IN BASALT OF QUATERNARY AGE, DIAM 15 IN, DEPTH 69.2 FT, CASED TO 6 FT. LSD 5,353.71 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED OCT. 20, 1968. RECORDER REMOVED SEPT. 1, 1971. DIGITAL RECORDER INSTALLED JULY 12, 1977. MP NO. 1 TOP OF CASING NORTHEAST SIDE, 1.20 FT ABOVE LSD (SINCE OCT. 3, 1968).

RECORDS AVAILABLE 1968 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 8.55 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 40.45 FEET BELOW LAND SURFACE DATUM NOV 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 05, 1985	34.22	JAN 05, 1986	22.81	APR 10, 1986	15.52		JUL 10, 1986	28.95
10	34.22	10	25.09	15	13.20		15	29.63
15	34.31	15	27.51	20	12.56		20	30.34
20	34.27	20	28.84	25	10.63		25	30.44
25	34.29	25	30.61	30	9.95		31	30.59
31	34.29	31	31.38	MAY 05	9.09		AUG 05	30.77
NOV 05	34.39	FEB 05	31.81	10	8.71		10	30.96
06	34.41	10	32.36	14	8.55		15	31.11
10	34.18	15	32.43	15	8.77		20	31.39
15	33.74	20	28.16	20	8.88	S	25	31.36
20	34.11	25	25.64	25	9.95		31	31.52
25	31.43	28	21.91	31	13.49		SEP 05	31.68
30	26.25	MAR 05	23.32	JUN 05	18.23		10	31.70
DEC 05	20.93	10	22.92	10	20.95		15	31.80
10	17.52	15	24.76	15	22.77		20	31.86
15	19.68	20	25.76	20	24.49		25	31.66
20	19.82	25	26.45	25	25.91		30	31.80
25	21.65	31	23.72	30	27.09			
31	23.91	APR 05	18.61	JUL 05	28.05			

WELL 08S 42E 17CAB1 SITE NUMBER 424340111344101

DRILLED UNUSED WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 6 IN, DEPTH 119.4 FT, CASED TO 16 FT. LSD 6,095.6 FT NGVD OF 1929. RECORDER INSTALLED NOV. 5, 1967. RECORDER REMOVED MAY 31, 1978. MP NO. 2 TOP OF 6-IN CASING, 0.40 FT ABOVE LSD (SINCE NOV. 5, 1967).

RECORDS AVAILABLE 1967 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 91.05 FEET BELOW LAND SURFACE DATUM MAY 02, 1985.

LOWEST WATER LEVEL 105.57 FEET BELOW LAND SURFACE DATUM SEP 11, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	100.48	S	MAR 04, 1986	99.17	S	JUL 01, 1986	93.60	S	SEP 23, 1986	95.81	S
JAN 23, 1986	99.79	S	MAY 21	94.43	S						

CARIBOU COUNTY -- CONTINUED

WELL 09S 40E 13ACB1 SITE NUMBER 423843111433901

DRILLED UNUSED WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 8 IN, REPORTED DEPTH 303 FT, CASING DEPTH NOT AVAILABLE. LSD 5,710.89 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 HOLE IN CASING COVER SOUTHWEST SIDE, 0.40 FT ABOVE LSD (SINCE AUG. 29, 1967).

RECORDS AVAILABLE 1967 - 1968, 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 259.93 FEET BELOW LAND SURFACE DATUM JUL 01, 1986.

LOWEST WATER LEVEL 270.16 FEET BELOW LAND SURFACE DATUM NOV 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	269.70	S	MAR 04, 1986	267.31	S	JUL 01, 1986	259.93	S	SEP 23, 1986	264.70	S
JAN 22, 1986	267.55	S	MAY 21	269.82	S						

WELL 09S 40E 20BDB1 SITE NUMBER 423753111484501

DRILLED IRRIGATION WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 16 IN, DEPTH 243 FT, CASED TO 193 FT. LSD 5,567.81 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF HOLE FOR AIRLINE GAGE INSIDE PUMPBASE NORTH SIDE, 0.90 FT ABOVE LSD (SINCE AUG. 23, 1967).

RECORDS AVAILABLE 1967 - 1968, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 135.00 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 144.97 FEET BELOW LAND SURFACE DATUM MAY 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	136.55	S	MAR 04, 1986	140.89	S	JUL 01, 1986	139.95 P	S	SEP 23, 1986	135.00	S
JAN 22, 1986	140.56	S	MAY 20	140.28	S						

WELL 09S 40E 27BCD1 SITE NUMBER 423652111463001

DRILLED IRRIGATION WATER-TABLE WELL IN BASALT OF QUATERNARY AGE, DIAM 20 IN, DEPTH 370 FT, 20-IN CASING 0-20 FT. LSD ABOUT 5,602 FT NGVD OF 1929. MP NO. 1 TOP OF 1-IN HOLE INSIDE PUMPBASE NORTH SIDE, 1.15 FT ABOVE LSD (SINCE FEB. 6, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.30 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 185.51 FEET BELOW LAND SURFACE DATUM MAY 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	179.00	S	MAR 04, 1986	181.55	S	JUL 01, 1986	181.35 P	S	SEP 23, 1986	176.30	S
JAN 22, 1986	181.19	S	MAY 21	180.95	S						

WELL 10S 40E 05BDD1 SITE NUMBER 423504111482801

DRILLED IRRIGATION WATER-TABLE WELL IN INTERBEDDED BASALT OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 208 FT, 16-IN CASING 0-208 FT, PERFORATED 90-184 FT. LSD ABOUT 5,500 FT NGVD OF 1929. MP NO. 2 BOTTOM EDGE OF 1 1/2-IN SLANTED VENT PIPE EAST SIDE, 1.05 FT ABOVE LSD (SINCE MAY 15, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 79.01 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 88.72 FEET BELOW LAND SURFACE DATUM SEP 10, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	81.36	S	MAR 04, 1986	82.46	S	JUL 01, 1986	87.75	P S	SEP 23, 1986	79.01	S
JAN 22, 1986	83.46	S	MAY 20	83.17	S						

WELL 10S 40E 08BBA1 SITE NUMBER 423433111484701

DRILLED IRRIGATION WATER-TABLE WELL IN INTERBEDDED BASALT OF QUATERNARY AGE, DIAM 16 TO 14 IN, REPORTED DEPTH 300 FT, 16-IN CASING 0-205 FT, 14-IN CASING 190-280 FT, PERFORATED 70-83 FT, 270-280 FT. LSD 5,477.15 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF HOLE INSIDE PUMPBASE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JULY 16, 1980).

RECORDS AVAILABLE 1967 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 46.15 FEET BELOW LAND SURFACE DATUM SEP 27, 1972.

LOWEST WATER LEVEL 56.76 FEET BELOW LAND SURFACE DATUM JUN 15, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	50.23	S	MAR 04, 1986	52.32	S	JUL 01, 1986	76.04	P S	SEP 23, 1986	48.52	S
JAN 22, 1986	51.84	S	MAY 20	52.09	S						

WELL 10S 40E 35BDD1 SITE NUMBER 423045111450001

DRILLED IRRIGATION WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 18 IN, REPORTED DEPTH 90 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,390 FT NGVD OF 1929. MP NO. 1 HOLE IN PUMPBASE WEST SIDE, 1.30 FT ABOVE LSD (SINCE AUG. 16, 1967).

RECORDS AVAILABLE 1967 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 61.93 FEET BELOW LAND SURFACE DATUM SEP 14, 1971.

LOWEST WATER LEVEL 66.79 FEET BELOW LAND SURFACE DATUM MAR 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	64.76	S	MAR 04, 1986	65.49	S	JUL 01, 1986	62.54	S	SEP 23, 1986	62.54	S
JAN 22, 1986	65.25	S	MAY 20	64.77	S						

CASSIA COUNTY

WELL 09S 25E 18DDA1 SITE NUMBER 423811113341201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 150 FT, CASED TO 77 FT, CONCRETE SEAL 70-77 FT, 150-318 FT. LSD 4,206.29 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 1.20 FT ABOVE LSD (SINCE DEC. 20, 1975).

RECORDS AVAILABLE 1975, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 13.30 FEET BELOW LAND SURFACE DATUM DEC 20, 1975.

LOWEST WATER LEVEL 30.48 FEET BELOW LAND SURFACE DATUM APR 12, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	23.41	S	JAN 22, 1986	27.00	S	APR 15, 1986	26.99	S	JUL 17, 1986	25.77	S
NOV 13	24.07	S	FEB 25	26.45	S	MAY 21	26.11	S	AUG 13	23.09	S
DEC 19	25.68	S	MAR 26	27.71	S	JUN 10	25.65	S	SEP 12	21.92	S

WELL 09S 25E 23DBA1 SITE NUMBER 423732113295801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 174.0 FT, 8-IN CASING 0-11 FT, 6-IN CASING 11-172 FT, 30 FT SLOTTED PERFORATIONS BELOW WATER LEVEL. LSD 4,266.97 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. APR. 20, 1982, WELL HAD FILLED IN TO A DEPTH OF 139.3 FT. SEPT. 19, 1983, WELL WAS DEEPENED TO A DEPTH OF 184.2 FT. MEASUREMENT PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. PERIODIC MEASUREMENTS PUBLISHED SINCE MAR. 21, 1972, MADE BY US GEOL SURVEY. RECORDER INSTALLED JUNE 20, 1951. CONTINUOUS RECORDER MAINTAINED, AND ITS RECORD FURNISHED BY US BUREAU OF RECLAMATION UNTIL RECORDER REMOVED OCT. 22, 1985. MP NO. 1 TOP OF CASING, 1.00 FT ABOVE LSD (SINCE MAY 23, 1951).

RECORDS AVAILABLE 1951 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 116.50 FEET BELOW LAND SURFACE DATUM SEP 23, 1951.

LOWEST WATER LEVEL WELL DRY APR 16, 1982; APR 20, 1982; MAR 20, 1983; MAR 25, 1983; MAR 31, 1983; APR 05, 1983; APR 10, 1983; APR 15, 1983; APR 19, 1983; APR 20, 1983; APR 25, 1983; APR 30, 1983; MAY 03, 1983

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	132.28		OCT 22, 1985	132.14	S	FEB 25, 1986	136.19	S	JUN 10, 1986	134.50	S
10	132.18		NOV 13	132.69	S	MAR 26	136.35	S	JUL 17	133.57	S
15	132.22		DEC 19	134.33	S	APR 15	135.78	S	AUG 13	131.97	S
20	132.14		JAN 22, 1986	135.66	S	MAY 21	134.89	S	SEP 12	130.76	S

WELL 09S 26E 07AAB1 SITE NUMBER 423943113272001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, REPORTED DEPTH 153 FT, 4-IN CASING 0-68 FT, 3/4-IN PIEZOMETER TUBE 152.5 FT, PERFORATED 145-150 FT, CONCRETE SEAL 153-168 FT. LSD 4,199.95 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 1.80 FT ABOVE LSD (SINCE NOV. 18, 1970).

RECORDS AVAILABLE 1970 - 1975, 1976 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 54.75 FEET BELOW LAND SURFACE DATUM AUG 25, 1972.

LOWEST WATER LEVEL 74.18 FEET BELOW LAND SURFACE DATUM MAR 25, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	67.86	S	MAR 26, 1986	71.18	S	JUL 17, 1986	66.59	S	SEP 12, 1986	64.73	S
JAN 22, 1986	71.45	S	MAY 21	68.57	S						

WELL 09S 26E 07AAB2 SITE NUMBER 423943113272002

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 550 FT, 3/4-IN PIEZOMETER TUBE 0-227 FT, PERFORATED 219.5-224.5 FT, GRAVEL FILL 168-550 FT, CONCRETE SEAL 153-168 FT, 550-620 FT. LSD 4,199.95 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 1.26 FT ABOVE LSD (SINCE NOV. 18, 1970).

RECORDS AVAILABLE 1970 - 1975, 1976 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 55.42 FEET BELOW LAND SURFACE DATUM AUG 25, 1972.

LOWEST WATER LEVEL 74.75 FEET BELOW LAND SURFACE DATUM MAR 25, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	66.96	S	MAR 26, 1986	71.76	S	JUL 17, 1986	67.33	S	SEP 12, 1986	65.42	S
JAN 22, 1986	71.65	S	MAY 21	69.41	S						

WELL 09S 26E 07AAB3 SITE NUMBER 423943113272003

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 804.5 FT, 1-IN PIEZOMETER TUBE 0-785.2 FT, PERFORATED 777.5-782.5 FT, GRAVEL FILL 620-630 FT, CAVED IN 630-804.5 FT, CONCRETE SEAL 550-620 FT. LSD 4,199.95 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1-IN PIPE, 0.31 FT ABOVE LSD (SINCE NOV. 18, 1970).

RECORDS AVAILABLE 1970 - 1975, 1976 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.09 FEET BELOW LAND SURFACE DATUM JUL 27, 1972.

LOWEST WATER LEVEL 32.17 FEET BELOW LAND SURFACE DATUM SEP 22, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	25.66	S	MAR 26, 1986	21.22	S	JUL 17, 1986	22.00	S	SEP 12, 1986	22.98	S
JAN 22, 1986	23.18	S	MAY 21	20.05	S						

CASSIA COUNTY -- CONTINUED

WELL 09S 26E 07BCC1 SITE NUMBER 423922113281201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 IN, DEPTH 88.0 FT, 8-IN CASING 0-7.2 FT, 5-IN CASING 0-88.5 FT, PERFORATED 58.5-88.5 FT. LSD 4,207.84 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED AUG. 22, 1951. RECORDER REMOVED SEPT. 12, 1962. MP NO. 1 TOP OF 5-IN CASING, 0.70 FT ABOVE LSD (SINCE AUG. 17, 1951).

RECORDS AVAILABLE 1951 - 1962, 1963 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 58.33 FEET BELOW LAND SURFACE DATUM OCT 02, 1951.

LOWEST WATER LEVEL 82.95 FEET BELOW LAND SURFACE DATUM MAR 19, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 26, 1986	78.16 S	JUL 03, 1986	N

WELL 09S 26E 10DDD1 SITE NUMBER 423855113233901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 5 IN, DEPTH 128.0 FT, 8-IN CASING 0-15 FT, 6-IN CASING 15-118 FT. LSD 4,217.18 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. NOV. 17, 1983, WELL WAS DEEPENED TO A DEPTH OF 131.4 FT. MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED JUNE 21, 1951. RECORDER REMOVED SEPT. 12, 1962. MP NO. 1 TOP OF CASING, 0.75 FT ABOVE LSD (SINCE JUNE 4, 1951).

RECORDS AVAILABLE 1951 - 1962, 1963 - 1971, 1972 - 1981, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 67.30 FEET BELOW LAND SURFACE DATUM OCT 20, 1951.

LOWEST WATER LEVEL 37.97 FEET BELOW LAND SURFACE DATUM MAY 16, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13, 1985	83.52 S	MAR 26, 1986	87.17 S	MAY 21, 1986	85.78 S	SEP 12, 1986	80.86 S
JAN 22, 1986	86.37 S	APR 16	87.56 S	JUL 17	84.47 S		

WELL 09S 26E 13CCC1 SITE NUMBER 423803113221801

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 153 FT. LSD 4,281.43 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MAY 22, 1968, WELL DEEPENED TO 169.7 FT, DIAM 8 TO 6 IN, 8-IN CASING 0-5.8 FT, 6-IN CASING 152-170 FT. MP NO. 2 TOP OF 5/8-IN HOLE IN WELL SEAL SOUTH SIDE, 0.87 FT ABOVE LSD (SINCE JULY 17, 1968).

RECORDS AVAILABLE 1955 - 1959, 1960 - 1969, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 135.31 FEET BELOW LAND SURFACE DATUM SEP 19, 1957.

LOWEST WATER LEVEL 151.12 FEET BELOW LAND SURFACE DATUM MAR 26, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1985	147.19 S	MAR 26, 1986	151.12 S	MAY 21, 1986	151.11 P S	AUG 14, 1986	147.47 P V
JAN 22, 1986	150.16 S	APR 15	151.17 P V	JUN 10	149.88 P V	SEP 12	146.15 P V
FEB 25	150.92 S						

WELL 09S 27E 25DDB2 SITE NUMBER 423623113141501

DRILLED STOCK WATER-TABLE WELL IN RAFT FORMATION, DIAM 8 TO 6 IN, DEPTH 255 FT, 6-IN CASING 0-250 FT. LSD ABOUT 4,200 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE NOV. 15, 1985).

RECORDS AVAILABLE 1985 - 1986.

HIGHEST WATER LEVEL 17.94 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 21.83 FEET BELOW LAND SURFACE DATUM NOV 15, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	21.83	S	FEB 25, 1986	20.54	S	APR 15, 1986	18.72	S	JUN 10, 1986	18.54	S
JAN 23, 1986	21.57	S	MAR 18	18.99	S	MAY 21	17.94	S	11		N

WELL 10S 22E 20CDC1 SITE NUMBER 423206113542301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 3 IN, REPORTED DEPTH 561 FT, 6-IN CASING 0-285 FT, CONCRETE SEAL 279-285 FT BETWEEN WALL OF HOLE AND CASING, 3-IN BORE 285-561 FT. LSD 4,149.52 FT NGVD OF 1929. MP NO. 2 TOP OF 1-IN COUPLING SOUTH SIDE, 1.13 FT ABOVE LSD (SINCE SEPT. 16, 1983).

RECORDS AVAILABLE 1975 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 213.8 FEET BELOW LAND SURFACE DATUM NOV 06, 1975.

LOWEST WATER LEVEL 240.19 FEET BELOW LAND SURFACE DATUM SEP 09, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	235.52	S	JAN 21, 1986	229.31	S	APR 15, 1986	224.40	S	JUL 22, 1986	233.42	S
NOV 14	233.28	S	FEB 26	227.42	S	MAY 20	224.48	S	AUG 14	237.09 .P	S
DEC 19	231.24	S	MAR 13	226.24	S	JUN 10	226.40	S	SEP 11	236.17	S

CASSIA COUNTY -- CONTINUED

WELL 10S 25E 10ABB1 SITE NUMBER 423429113311301

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 175 FT, CASED TO 4 FT. LSD 4,303.50 FT NGVD OF 1929. MP NO. 5 TOP OF 5/8-IN HOLE IN WELL SEAL WEST SIDE (SINCE NOV. 8, 1985).

RECORDS AVAILABLE 1928, 1949 - 1952, 1953 - 1969, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 153.40 FEET BELOW LAND SURFACE DATUM SEP 17, 1948.

LOWEST WATER LEVEL 173.77 FEET BELOW LAND SURFACE DATUM MAR 26, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08, 1985	169.84 P S	MAR 26, 1986	173.77 S	JUN 10, 1986	172.19 R S	AUG 14, 1986	169.59 S
JAN 22, 1986	173.00 S	MAY 21	172.87 P S	JUL 17	171.38 S	SEP 12	168.27 P S
FEB 25	173.59 S						

WELL 10S 27E 30CCC1 SITE NUMBER 423103113211101

FORMERLY SITE ID NO. 423105113211001, WELL NO. 10S 27E 30CC 1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD 4,417.60 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF CASING NORTH SIDE, 0.40 FT ABOVE LSD (SINCE JULY 27, 1964).

RECORDS AVAILABLE 1964 - 1965, 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 134.61 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 170.27 FEET BELOW LAND SURFACE DATUM SEP 22, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1985	152.47 S	MAR 13, 1986	135.44 S	JUN 10, 1986	142.58 S	SEP 11, 1986	151.29 S
JAN 22, 1986	138.83 S	APR 15	135.53 S	JUL 17	147.89 S		
FEB 25	134.78 S	MAY 21	134.61 S	AUG 14	149.23 S		

WELL 10S 28E 15ADB1 SITE NUMBER 423322113093501

FORMERLY WELL NO. 10S 28E 15AD 1. DRILLED IRRIGATION WATER-TABLE WELL IN RAFT FORMATION, DIAM 16 IN, DEPTH 566 FT, CASED TO 320 FT. LSD ABOUT 4,445 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF SLOPING PIPE EAST SIDE, 0.80 FT ABOVE LSD (SINCE SEPT. 6, 1963).

RECORDS AVAILABLE 1963 - 1966, 1985, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 253.13 FEET BELOW LAND SURFACE DATUM APR 15, 1965.

LOWEST WATER LEVEL 268.08 FEET BELOW LAND SURFACE DATUM AUG 14, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08, 1985	266.64 S	MAR 18, 1986	262.31 S	JUN 10, 1986	269.18 P S	SEP 12, 1986	274.21 P V
JAN 22, 1986	263.99 S	APR 15	281.79 R S	JUL 17	273.20 P S		
FEB 25	262.79 S	MAY 21	261.36 S	AUG 14	268.08 S		

WELL 11S 20E 24DDD1 SITE NUMBER 422647114030401

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 20 IN, DEPTH NOT AVAILABLE, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,258 FT NGVD OF 1929. RECORDER INSTALLED MAY 26, 1976. RECORDER REMOVED NOV. 19, 1985. MP NO. 2 TOP OF CORRUGATION EAST SIDE, 2.72 FT ABOVE LSD (SINCE JULY 23, 1980).

RECORDS AVAILABLE 1976 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 215.50 FEET BELOW LAND SURFACE DATUM MAY 26, 1976.

LOWEST WATER LEVEL 267.78 FEET BELOW LAND SURFACE DATUM SEP 21, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 04, 1985	265.81		JAN 21, 1986	259.91	S	APR 14, 1986	254.66	S	JUL 23, 1986	261.70	S
NOV 19	263.46	S	FEB 10	258.54	S	MAY 19	253.63	S	AUG 18	266.20	S
DEC 09	262.15	S	MAR 17	255.94	S	JUN 17	255.67	S	SEP 23	267.47	S

WELL 11S 21E 14BAA1 SITE NUMBER 422829113573701

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,361 FT NGVD OF 1929. MP NO. 1 BOTTOM EDGE OF 1 1/2-IN COUPLING ON SLOPING PIPE EAST SIDE OF CASING (SINCE MAR. 29, 1984).

RECORDS AVAILABLE 1984, 1985 - 1986.

HIGHEST WATER LEVEL 459.41 FEET BELOW LAND SURFACE DATUM MAY 20, 1986.

LOWEST WATER LEVEL 472.53 FEET BELOW LAND SURFACE DATUM NOV 06, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	472.53	S	FEB 26, 1986	463.28	S	APR 15, 1986	460.14	S	JUN 10, 1986	462.54	S
JAN 21, 1986	465.78	S	MAR 18	461.99	S	MAY 20	459.41	S	11		N

WELL 11S 22E 32CCC1 SITE NUMBER 422501113543901

FORMERLY SITE ID NO. 422501113564801. DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, REPORTED DEPTH 635.0 FT, CASED TO 605 FT, CASING SEALED AT 605 FT. LSD 4,309.70 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. RECORDER INSTALLED JUNE 2, 1972, AND OPERATED BY U.S. BUREAU OF RECLAMATION. RECORDER REMOVED DEC. 17, 1974. MP NO. 2 TOP OF 1-IN HOLE IN CASING COVER, 2.61 FT ABOVE LSD (SINCE SEPT. 11, 1975).

RECORDS AVAILABLE 1972 - 1974, 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 368.21 FEET BELOW LAND SURFACE DATUM MAY 04, 1976.

LOWEST WATER LEVEL 410.22 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	402.37	S	JAN 21, 1986	390.64	S	APR 17, 1986	384.53	S	JUL 23, 1986	402.40	S
NOV 26	396.47	S	FEB 10	388.88	S	MAY 12	384.50	S	AUG 19	403.11	S
DEC 10	394.81	S	MAR 19	386.45	S	JUN 17	394.67 S	S	SEP 24	401.96	S

CASSIA COUNTY -- CONTINUED

WELL 11S 23E 08CDD1 SITE NUMBER 422831113450601

DOMESTIC WATER-TABLE WELL, IN UNKNOWN AQUIFER, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,228 4,228 FT NGVD OF 1929. MP NO. 1 TOP OF 5/8-IN HOLE IN WELL SEAL SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE NOV. 11, 1985).

RECORDS AVAILABLE 1985 - 1986.

HIGHEST WATER LEVEL 36.12 FEET BELOW LAND SURFACE DATUM NOV 07, 1985.

LOWEST WATER LEVEL 51.56 FEET BELOW LAND SURFACE DATUM MAY 20, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	36.12	S	FEB 26, 1986	48.04	S	APR 15, 1986	51.32	S	JUN 10, 1986	46.38	S
JAN 21, 1986	44.78	S	MAR 12	49.08	S	MAY 20	51.56	S	11		N

WELL 11S 23E 14DDD1 SITE NUMBER 422739113434001

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 10 TO 6 IN, DEPTH 68.5 FT, 6-IN CASING TO 68.5 FT, PERFORATED 60.5-63.5 FT. LSD ABOUT 4,230 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE IN WELL SEAL SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE NOV. 7, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.08 FEET BELOW LAND SURFACE DATUM SEP 11, 1986.

LOWEST WATER LEVEL 35.54 FEET BELOW LAND SURFACE DATUM APR 14, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	26.03	S	MAR 12, 1986	32.79	S	JUN 10, 1986	31.67	S	SEP 11, 1986	23.08	S
JAN 21, 1986	30.69 R	S	APR 15	33.81	S	JUL 22	26.48	S			
FEB 26	32.40	S	MAY 20	34.38	S	AUG 14	25.29 R	S			

WELL 11S 23E 34CDC1 SITE NUMBER 422458113452701

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 346.4 FT, CASED TO 282.3 FT. LSD 4,271.11 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. JULY 1, 1971, GEOPHYSICAL LOGS SHOWED WELL HAD FILLED IN TO A DEPTH OF 340.5 FT. MAY 18, 1979, WELL WAS DEEPENED TO A DEPTH OF 412.3 FT. MP NO. 2 TOP OF 1 1/4-IN PIPE COUPLING, 2.25 FT ABOVE LSD (SINCE MAY 18, 1972).

RECORDS AVAILABLE 1952, 1962 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 289.97 FEET BELOW LAND SURFACE DATUM JUN 05, 1952.

LOWEST WATER LEVEL 355.94 FEET BELOW LAND SURFACE DATUM JUL 19, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 17, 1985	344.59	S	JAN 23, 1986	338.09	S	APR 15, 1986	334.04	S	JUL 23, 1986	354.58	S
NOV 22	341.61	S	FEB 11	337.17	S	MAY 12	335.52	S	AUG 19	354.44	S
DEC 10	340.59	S	MAR 18	335.61	S	JUN 17	350.07 S	S	SEP 23	345.63	S

WELL 11S 24E 08CCD1 SITE NUMBER 422819113381701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 205 FT, 6-IN CASING TO 182 FT, PERFORATED 175-180 FT. LSD ABOUT 4,215 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL WEST SIDE, 1.30 FT ABOVE LSD (SINCE NOV. 7, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 118.60 FEET BELOW LAND SURFACE DATUM MAR 12, 1986.

LOWEST WATER LEVEL 119.39 FEET BELOW LAND SURFACE DATUM SEP 11, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	119.21	S	MAR 12, 1986	118.60	S	JUN 10, 1986	119.29	S	SEP 11, 1986	119.39	S
JAN 21, 1986	118.96	S	APR 15	118.79	S	JUL 22	119.22	S			
FEB 26	119.20	S	MAY 20	118.83	S	AUG 14	119.32	S			

WELL 11S 27E 12DDA1 SITE NUMBER 422835113140701

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 20 IN, REPORTED DEPTH 376 FT, CASED 0-245 FT, 297-330 FT, PERFORATED 167-245 FT, 297-330 FT. LSD 4,480.50 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 5 TOP OF ACCESS HOLE INSIDE PUMPBASE NORTHWEST SIDE, 1.41 FT ABOVE LSD (SINCE SEPT. 20, 1974).

RECORDS AVAILABLE 1963 - 1965, 1971 - 1972, 1973 TO CURRENT YEAR.

HIGHEST WATER LEVEL 180.25 FEET BELOW LAND SURFACE DATUM APR 15, 1964.

LOWEST WATER LEVEL 257.05 FEET BELOW LAND SURFACE DATUM SEP 15, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	230.67	S	SEP 11, 1986	241.09	S

CASSIA COUNTY -- CONTINUED

WELL 11S 27E 29AAA1 SITE NUMBER 422639113260101

DRILLED UNUSED WATER-TABLE WELL IN RAFT FORMATION, DIAM 8 IN, DEPTH 247.4 FT, CASED TO 237 FT. LSD 4,394.72 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED MAY 19, 1961. RECORDER REMOVED JULY 17, 1986. MP NO. 1 TOP OF 8-IN CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 11, 1950).

RECORDS AVAILABLE 1950 - 1952, 1960, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 32.75 FEET BELOW LAND SURFACE DATUM NOV 05, 1952.

LOWEST WATER LEVEL 243.45 FEET BELOW LAND SURFACE DATUM MAR 27, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	108.75		DEC 13, 1985	107.73		MAR 10, 1986	105.60		MAY 25, 1986	103.65	
05	108.74		JAN 02, 1986	107.24	S	15	105.49		27	103.62	
10	108.72		05	107.17		20	105.36		28	103.62	
15	108.67		10	107.06		25	105.22		31	103.68	
20	108.63		15	106.93		31	105.06		JUN 05	103.85	
25	108.55		20	106.82		APR 05	104.93		10	103.98	
31	108.44		25	106.70		10	104.81		15	104.11	
NOV 05	108.40		31	106.57		15	104.66		20	104.27	
10	108.35		FEB 05	106.44		20	104.52		25	104.48	
15	108.25		10	106.31		25	104.38		30	104.76	
20	108.17		15	106.18		30	104.26		JUL 05	105.06	
25	108.08		20	106.07		MAY 05	104.14		10	105.31	
30	107.98		25	105.93		10	104.01		15	105.59	
DEC 05	107.88		28	105.86		15	103.88		17	105.68	S
10	107.78		MAR 05	105.72		20	103.75		SEP 11	107.20	S

WELL 12S 19E 02BBB1 SITE NUMBER 422452114123201

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, REPORTED DEPTH 750 FT, UNCASED OPEN HOLE. LSD 4,268.27 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. IN 1953, WELL WAS DEEPENED TO ABOUT 900 FT. MP NO. 1 TOP OF CONCRETE WEST SIDE OF HOLE BENEATH PUMP, 1.00 FT ABOVE LSD (SINCE OCT. 17, 1951).

RECORDS AVAILABLE 1951 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 100.98 FEET BELOW LAND SURFACE DATUM MAY 03, 1952.

LOWEST WATER LEVEL 432.92 FEET BELOW LAND SURFACE DATUM AUG 19, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	395.03	V	JAN 21, 1986	336.09	S	APR 14, 1986	310.22	S	AUG 18, 1986	475.35	P V
NOV 22	363.57	V	FEB 10	329.15	S	MAY 13	335.88	R V	SEP 18	412.09	V
DEC 12	352.68	V	MAR 17	319.15	S	JUN 16	397.20	P V			

CASSIA COUNTY -- CONTINUED

WELL 12S 20E 04DBC1 SITE NUMBER 422424114070001

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 14 TO 10 IN, REPORTED DEPTH 565 FT, 14-IN CASING 0-30 FT, 10-IN CASING 430-500 FT. LSD ABOUT 4,320 FT NGVD OF 1929. RECORDER INSTALLED JULY 8, 1976. RECORDER REMOVED APR. 25, 1978. MP NO. 1 TOP OF 14-IN CASING SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JULY 8, 1976).

RECORDS AVAILABLE 1976 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 223.14 FEET BELOW LAND SURFACE DATUM APR 17, 1985.

LOWEST WATER LEVEL 279.80 FEET BELOW LAND SURFACE DATUM SEP 13, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	247.81	S	JAN 21, 1986	232.78	S	APR 14, 1986	225.72	S	JUL 23, 1986	241.22	S
NOV 22	240.66	S	FEB 10	230.60	S	MAY 13	224.18	S	AUG 18	244.45	S
DEC 12	237.82	S	MAR 17	227.74	S	JUN 16	232.52	S	SEP 23	245.68	S

WELL 12S 21E 02DAA1 SITE NUMBER 422434113570201

DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, REPORTED DEPTH 936.0 FT, CASED TO 907 FT, CASING SEALED AT 907 FT. LSD 4,361.25 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. AUG. 1, 1972, WELL HAD FILLED IN TO A DEPTH OF 918.0 FT. DIGITAL RECORDER INSTALLED AUG. 1, 1972. RECORDER CHANGED FROM DIGITAL TO ANALOG NOV. 20, 1979. MP NO. 1 TOP OF 6-IN CASING NORTHEAST SIDE, 0.47 FT ABOVE LSD (SINCE FEB. 3, 1972).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 373.12 FEET BELOW LAND SURFACE DATUM APR 26, 1976.

LOWEST WATER LEVEL 455.24 FEET BELOW LAND SURFACE DATUM SEP 16, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	424.33		FEB 10, 1986	400.74		APR 28, 1986	398.79		JUL 31, 1986	427.62	
10	423.22		15	399.92		MAY 12	402.03	S	AUG 05	430.02	
15	421.56		20	399.59		15	402.00		10	431.02	
16	421.12	S	25	399.35		20	404.82		15	430.39	
DEC 09	409.91	S	28	398.98		24	405.10		20	429.34	
10	409.84		MAR 05	398.56		JUN 05	406.63		25	428.03	
15	409.13		10	397.62		08	406.63		31	424.16	
20	408.38		15	397.40		17	412.95		SEP 05	424.71	
25	407.56		20	397.37		20	415.22	S	10	423.26	
31	406.45		25	396.91		25	419.47		16	422.20	
JAN 05, 1986	405.61		31	396.44		30	422.45		20	419.77	
10	405.07		APR 05	395.95		JUL 05	425.14		24	416.41	S
15	404.02		10	395.61		10	427.85		26	415.31	
20	403.36		15	395.26		15	430.36		30	413.17	
25	403.10		20	395.17		19	431.78				
30	401.92		21	394.97		20	431.76				
FEB 05	401.33		25	397.94		25	431.16				

CASSIA COUNTY -- CONTINUED

WELL 12S 21E 16DCC1 SITE NUMBER 422227113595901

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 20-18-16 IN, DEPTH 256.7 FT, 20-IN CASING 0-98.7 FT, 18-IN CASING 98.7-127.3 FT, 16-IN CASING 127.3-233 FT. LSD 4,377.99 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF CASING SOUTH SIDE, 0.00 FT ABOVE LSD (SINCE SEPT. 14, 1977).

RECORDS AVAILABLE 1962 - 1968, 1969 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 101.03 FEET BELOW LAND SURFACE DATUM MAR 12, 1975.

LOWEST WATER LEVEL 128.59 FEET BELOW LAND SURFACE DATUM JUL 13, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	111.39	S	JAN 21, 1986	111.11	S	APR 16, 1986	111.59	S	JUL 22, 1986	113.17	S
NOV 22	110.86	V	FEB 11	111.04	S	MAY 12	111.97	S	AUG 19	112.28	S
DEC 11	111.10	S	MAR 19	111.59	S	JUN 16	113.52	S	SEP 24	109.24	S

WELL 12S 21E 19DCC1 SITE NUMBER 422134114022101

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 16 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,480 FT NGVD OF 1929. MP NO. 1 TOP OF EDGE OF CRACK IN CENTER OF CASING COVER SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE NOV. 6, 1985).

RECORDS AVAILABLE 1985 - 1986.

HIGHEST WATER LEVEL 288.59 FEET BELOW LAND SURFACE DATUM APR 15, 1986.

LOWEST WATER LEVEL 292.70 FEET BELOW LAND SURFACE DATUM NOV 06, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	292.70	S	MAR 18, 1986	289.52	S	MAY 20, 1986	290.63 S	S	JUN 11, 1986		N
FEB 26, 1986	290.15	S	APR 15	288.59	S	JUN 10	292.58	S			

WELL 12S 21E 25CCC1 SITE NUMBER 422047113570101

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20 TO 12 IN, REPORTED DEPTH 1,196 FT, 20-IN CASING 0-188 FT, 12-IN CASING 948-1,029 FT. LSD 4,409.64 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. JUNE 23, 1980, WELL WAS DEEPENED TO A REPORTED DEPTH OF 1,870 FT. MP NO. 4 TOP OF 1-IN HOLE INSIDE PUMPBASE NORTHEAST SIDE, 0.91 FT ABOVE LSD (SINCE JUNE 12, 1985).

RECORDS AVAILABLE 1962 - 1967, 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 315.54 FEET BELOW LAND SURFACE DATUM MAR 23, 1976.

LOWEST WATER LEVEL 412.01 FEET BELOW LAND SURFACE DATUM JUL 17, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	375.29	V	JAN 21, 1986	349.56	S	APR 16, 1986	340.71	S	JUL 22, 1986	366.00	S
NOV 22	359.66	V	FEB 11	346.73	S	MAY 12	340.04	S	AUG 19	360.57	S
DEC 11	355.76	S	MAR 19	343.19	S	JUN 16	357.10	S	SEP 24	353.19	S

WELL 12S 22E 35BCC1 SITE NUMBER 422013113510501

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 810 FT, 22-IN CASING 0-222 FT, 16-IN CASING 0-400 FT. LSD ABOUT 4,387 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 16-IN CASING SOUTH SIDE, 0.20 FT ABOVE LSD (SINCE NOV. 6, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 414.80 FEET BELOW LAND SURFACE DATUM MAY 20, 1986.

LOWEST WATER LEVEL 430.47 FEET BELOW LAND SURFACE DATUM NOV 06, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06, 1985	430.47 S	MAR 12, 1986	417.12 S	JUN 10, 1986	423.42 V	SEP 11, 1986	421.74 V
JAN 21, 1986	420.60 S	APR 15	415.49 S	JUL 22	473.85 S V		
FEB 26	421.44 S	MAY 20	414.80 S	AUG 14	470.13 S V		

WELL 12S 25E 06DCC1 SITE NUMBER 422405113343801

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 102.3 FT, CASED TO 120 FT. ORIGINAL REPORTED DEPTH 120 FT. LSD ABOUT 4,755 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL NORTH SIDE, 1.40 FT BELOW LSD (SINCE SEPT. 22, 1966).

RECORDS AVAILABLE 1966 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.05 FEET BELOW LAND SURFACE DATUM MAR 24, 1983.

LOWEST WATER LEVEL 28.10 FEET BELOW LAND SURFACE DATUM SEP 24, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 12, 1986	3.30 R S	JUL 22, 1986	7.45 R S	SEP 11, 1986	13.28 S

WELL 12S 25E 09CCD1 SITE NUMBER 422313113324701

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 10 IN, DEPTH 378.9 FT, CASED TO 250 FT. LSD ABOUT 4,831 FT NGVD OF 1929. MP NO. 1 TOP OF CASING WEST SIDE, 0.70 FT ABOVE LSD (SINCE SEPT. 21, 1966).

RECORDS AVAILABLE 1966 - 1971, 1972 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 81.84 FEET BELOW LAND SURFACE DATUM MAR 14, 1985.

LOWEST WATER LEVEL 106.10 FEET BELOW LAND SURFACE DATUM OCT 15, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 12, 1986	81.90 S	JUL 03, 1986	N

CASSIA COUNTY -- CONTINUED

WELL 12S 25E 18BBA1 SITE NUMBER 422310113350801

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 8 IN, DEPTH 103.8 FT, CASED TO 104 FT. LSD ABOUT 4,940 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL SOUTH SIDE, 0.20 FT ABOVE LSD (SINCE SEPT. 21, 1966).

RECORDS AVAILABLE 1966 - 1971, 1972 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 24.29 FEET BELOW LAND SURFACE DATUM MAR 12, 1986.

LOWEST WATER LEVEL 52.27 FEET BELOW LAND SURFACE DATUM MAR 04, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 12, 1986	24.29	S	JUL 03, 1986		N

WELL 12S 25E 28AAA3 SITE NUMBER 422125113314901

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 8 IN, DEPTH 177.2 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,356 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL NORTHWEST SIDE, 1.70 FT ABOVE LSD (SINCE SEPT. 20, 1966).

RECORDS AVAILABLE 1966 - 1971, 1972 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 52.75 FEET BELOW LAND SURFACE DATUM SEP 12, 1984.

LOWEST WATER LEVEL 122.07 FEET BELOW LAND SURFACE DATUM JUN 17, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 12, 1986	58.19	S	JUL 22, 1986	53.66	S	SEP 11, 1986	53.60	S

WELL 12S 26E 02ACC1 SITE NUMBER 422438113230401

DRILLED IRRIGATION WATER-TABLE WELL IN RAFT FORMATION, DIAM 20 IN, REPORTED DEPTH 197 FT, CASED TO 197 FT, OPEN BOTTOM. LSD 4,415.41 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF CONCRETE PLATFORM WEST SIDE, 1.50 FT ABOVE LSD (SINCE NOV. 2, 1972).

RECORDS AVAILABLE 1950 - 1952, 1957 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.69 FEET BELOW LAND SURFACE DATUM APR 21, 1950.

LOWEST WATER LEVEL 113.72 FEET BELOW LAND SURFACE DATUM SEP 16, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	77.27	S	SEP 11, 1986	98.49	S

WELL 13S 21E 18BBC1 SITE NUMBER 421755114024401

DRILLED UNUSED WATER-TABLE WELL IN LIMESTONE OF PALEOZOIC AGE, DIAM 17 TO 16 IN, REPORTED DEPTH 850 FT, 16-IN CASING 0-20 FT, 17-IN CASING 20-80 FT, BOTTOM OF CASING SET IN CONCRETE SEAL. LSD 4,953.63 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. JULY 17, 1968, WELL HAD FILLED IN TO A DEPTH OF 820.9 FT. RECORDER INSTALLED AUG. 16, 1961. RECORDER REMOVED NOV. 30, 1971. RECORDER INSTALLED MAY 3, 1972. MP NO. 4 TOP OF 1-IN PIPE FLANGE NORTHWEST SIDE, 2.07 FT ABOVE LSD (SINCE AUG. 2, 1972).

RECORDS AVAILABLE 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 362.14 FEET BELOW LAND SURFACE DATUM APR 19, 1961.

LOWEST WATER LEVEL 593.87 FEET BELOW LAND SURFACE DATUM OCT 24, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 05, 1985	591.23	DEC 15, 1985	592.49	FEB 28, 1986	591.60		JUL 20, 1986	587.50
10	591.28	20	592.38	MAR 05	591.63		25	587.67
15	591.13	25	592.31	10	591.15		31	587.90
20	591.50	31	592.17	15	591.30		AUG 05	588.12
25	591.93	JAN 05, 1986	592.12	20	591.66		10	588.42
31	591.96	10	592.25	25	591.38		15	588.67
NOV 05	592.19	15	591.89	31	591.17		20	589.15
10	591.78	20	591.96	APR 05	590.86		25	589.33
15	592.41	25	592.38	10	590.68		31	589.77
19	592.45	31	591.83	15	590.37		SEP 05	590.01
25	592.11	FEB 05	591.78	16	590.19	S	10	590.28
30	592.24	10	591.76	MAY 13	588.75	S	15	590.49
DEC 04	592.74	15	591.51	21	587.95	S	20	590.83
05	592.50	20	591.91	JUN 16	586.85	S	25	590.83
10	592.40	25	591.96	JUL 17	587.30		30	591.27

WELL 13S 22E 21CCD1 SITE NUMBER 421621113531601

DUG DOMESTIC WATER-TABLE WELL IN CLAY AND GRAVEL OF QUATERNARY AGE, DIAM 36 X 60 IN, REPORTED DEPTH 80 FT, CASED TO 80 FT. LSD 4,491.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. JUNE 2, 1972, CONTINUOUS RECORDER INSTALLED AND MAINTAINED BY THE US BUREAU OF RECLAMATION. RECORDER REMOVED DEC. 17, 1974. MP NO. 2 TOP OF SOUTH 2X10-IN BOARD NORTH EDGE, 0.60 FT ABOVE LSD (SINCE AUG. 1, 1975).

RECORDS AVAILABLE 1972 - 1974, 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.02 FEET BELOW LAND SURFACE DATUM SEP 11, 1975.

LOWEST WATER LEVEL 70.30 FEET BELOW LAND SURFACE DATUM MAY 18, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 17, 1985	12.80	S	JAN 22, 1986	16.08	S	APR 15, 1986	26.70	S	JUL 22, 1986	10.94	S
NOV 23	13.65	S	FEB 11	17.44	S	MAY 12	10.30	S	AUG 19	9.70	S
DEC 11	14.20	S	MAR 19	22.44	S	JUN 16	12.74	S	SEP 19	10.28	V

WELL 13S 22E 21CCD2 SITE NUMBER 421620113531701

DRILLED OBSERVATION WATER-TABLE WELL IN SILTY SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 6 IN, DEPTH 1,004.0 FT, 8-IN CASING 0-543 FT, 6-IN CASING 536-1,000 FT, PERFORATED 560-606 FT. LSD 4,491.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. JUNE 1, 1972, CONTINUOUS RECORDER INSTALLED AND MAINTAINED BY US BUREAU OF RECLAMATION. RECORDER REMOVED DEC. 17, 1974. MP NO. 2 TOP OF HOLE IN CENTER OF CASING COVER WEST SIDE, 2.12 FT ABOVE LSD (SINCE SEPT. 11, 1975).

RECORDS AVAILABLE 1972 - 1974, 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.52 FEET BELOW LAND SURFACE DATUM OCT 24, 1984.

LOWEST WATER LEVEL 71.50 FEET BELOW LAND SURFACE DATUM MAY 18, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 17, 1985	21.13	S	JAN 22, 1986	25.75	S	APR 15, 1986	35.39	S	JUL 22, 1986	19.66	S
NOV 23	22.15	S	FEB 11	27.78	S	MAY 12	30.99	S	AUG 19	17.88	S
DEC 11	22.98	S	MAR 19	32.73	S	JUN 16	24.88	S	SEP 19	16.78	V

WELL 13S 22E 21CCD3 SITE NUMBER 421621113531602

DRILLED DOMESTIC WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 4 IN, REPORTED DEPTH 140 FT, CASED TO 140 FT. THIS WELL WAS DRILLED INSIDE AN EXISTING DUG WELL. LSD 4,491.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. ALL MEASUREMENTS PRIOR TO AUG. 1, 1975, MADE BY US BUREAU RECLAMATION. MP NO. 3 TOP OF SOUTH 2X10-IN BOARD NORTH EDGE, 0.60 FT ABOVE LSD (SINCE AUG. 1, 1975).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 7.73 FEET BELOW LAND SURFACE DATUM SEP 11, 1975.

LOWEST WATER LEVEL 67.27 FEET BELOW LAND SURFACE DATUM MAY 18, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 17, 1985	16.69	S	JAN 22, 1986	21.47	S	APR 15, 1986	31.77	S	JUL 22, 1986	13.78	S
NOV 23	17.85	S	FEB 11	23.59	S	MAY 12	27.20	S	AUG 19	14.02	S
DEC 11	18.66	S	MAR 19	28.79	S	JUN 16	21.02	S	SEP 19	12.98	V

WELL 13S 26E 01CCC1 SITE NUMBER 421852113222601

DRILLED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 16 IN, REPORTED DEPTH 69 FT, CASED TO 66 FT, PERFORATED 24-43 FT, 46-64 FT. LSD 4,517.63 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. IN 1959, WELL WAS DEEPENED TO A REPORTED DEPTH OF 250 FT. JUNE 23, 1965, WELL HAD FILLED IN TO A DEPTH OF 223.2 FT. MP NO. 2 BOTTOM EDGE OF SLOPING PIPE EAST SIDE, 0.98 FT ABOVE LSD (SINCE FEB. 9, 1966).

RECORDS AVAILABLE 1949 - 1952, 1961 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 21.60 FEET BELOW LAND SURFACE DATUM JUN 19, 1950.

LOWEST WATER LEVEL 40.46 FEET BELOW LAND SURFACE DATUM SEP 15, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	24.00	S	JUL 17, 1986	32.46	P S	SEP 11, 1986	27.13	S

CASSIA COUNTY -- CONTINUED

WELL 13S 27E 15CAA1 SITE NUMBER 421731113170601

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 14 TO 12 IN, REPORTED DEPTH 947 FT, 14-IN CASING 0-348 FT, 12-IN 348-428 FT, PERFORATED 320-348 FT, 355-428 FT. LSD 4,628.60 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF HOLE INSIDE PUMPBASE EAST SIDE, 0.50 FT ABOVE LSD (SINCE OCT. 24, 1966).

RECORDS AVAILABLE 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 128.81 FEET BELOW LAND SURFACE DATUM APR 20, 1964.

LOWEST WATER LEVEL 192.16 FEET BELOW LAND SURFACE DATUM SEP 20, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	157.28	S	JUL 03, 1986		N

WELL 14S 27E 33CDD1 SITE NUMBER 420917113181501

DRILLED UNUSED WATER-TABLE WELL IN COARSE GRAINED GRAVEL OF QUATERNARY AGE, DIAM 16 TO 14 IN, DEPTH 199.6 FT, 16-IN CASING 0-92 FT, 14-IN CASING 87-225 FT, PERFORATED 45-50 FT, 105-225 FT. LSD ABOUT 4,715 FT NGVD OF 1929. ORIGINAL DEPTH 225 FT. JUNE 22, 1965, WELL HAD FILLED IN TO A DEPTH OF 199.6 FT. RECORDER INSTALLED JUNE 22, 1965. RECORDER REMOVED AUG. 12, 1971. DIGITAL RECORDER INSTALLED JULY 26, 1977. RECORDER REMOVED JULY 17, 1986. MP NO. 1 TOP OF 16-IN CASING NORTHWEST SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 3, 1955).

RECORDS AVAILABLE 1955, 1965 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.44 FEET BELOW LAND SURFACE DATUM NOV 23, 1971.

LOWEST WATER LEVEL 48.72 FEET BELOW LAND SURFACE DATUM SEP 18, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 04, 1985	41.81	DEC 20, 1985	41.22	MAR 10, 1986	40.58	MAY 31, 1986	41.00	
05	41.70	25	41.17	15	40.63	JUN 05	41.28	
10	41.69	31	41.12	20	40.72	10	41.33	
15	41.60	JAN 05, 1986	41.09	25	40.52	15	40.31	
20	41.47	10	41.12	31	40.38	20	39.93	
25	41.47	15	40.97	APR 05	40.38	21	39.76	
31	41.37	20	40.96	10	40.24	25	39.90	
NOV 05	41.37	25	41.00	15	40.15	30	40.52	
10	41.20	31	40.77	20	40.06	JUL 05	40.64	
15	41.34	FEB 05	40.78	25	40.03	10	40.79	
20	41.23	10	40.72	30	39.94	15	40.88	
25	41.13	15	40.84	MAY 05	40.05	17	40.94	S
30	41.17	20	40.70	10	39.99	SEP 11	40.15	S
DEC 05	41.29	25	40.77	15	39.88			
10	41.21	28	40.72	20	40.18			
15	41.25	MAR 05	40.70	25	40.04			

WELL 16S 28E 20CDC1 SITE NUMBER 420039113122301

DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 8 IN, DEPTH 295.0 FT, CASED TO 200 FT. LSD ABOUT 5,280 FT NGVD OF 1929. MP NO. 2 TOP OF HOLE IN WELL SEAL WEST SIDE, 6.25 FT BELOW LSD (SINCE SEPT. 20, 1968).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 114.78 FEET BELOW LAND SURFACE DATUM MAR 13, 1986.

LOWEST WATER LEVEL 148.43 FEET BELOW LAND SURFACE DATUM FEB 18, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13, 1986	114.78 S	SEP 11, 1986	145.84 P S

CLARK COUNTY

WELL 10N 34E 29BDD1 SITE NUMBER 441003112290801

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 IN, DEPTH 390 FT, CASED TO 22 FT. LSD ABOUT 5,030 FT NGVD OF 1929. MP NO. 1 BOTTOM LIP OF ACCESS PIPE NORTHWEST SIDE, 1.50 FT ABOVE LSD (SINCE MAR. 19, 1980).

RECORDS AVAILABLE 1980, 1986 to CURRENT YEAR.

HIGHEST WATER LEVEL 255.08 FEET BELOW LAND SURFACE DATUM JUN 04, 1986.

LOWEST WATER LEVEL 262.64 FEET BELOW LAND SURFACE DATUM AUG 12, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 04, 1986	255.08	S	JUL 14, 1986	258.73	S	AUG 11, 1986	261.73	S	SEP 08, 1986	259.61	S

WELL 10N 35E 13CBC1 SITE NUMBER 441132112173301

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD 5,150.96 FT NGVD OF 1929. MP NO. 1 1/4-IN HOLE IN CASING, 0.60 FT ABOVE LSD (SINCE OCT. 16, 1957).

RECORDS AVAILABLE 1957, 1958 - 1959, 1966, 1968, 1980, 1981, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 350.22 FEET BELOW LAND SURFACE DATUM JUN 04, 1986.

LOWEST WATER LEVEL 359.60 FEET BELOW LAND SURFACE DATUM OCT 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 04, 1986	350.22	S	JUL 14, 1986	350.98	S	AUG 11, 1986	351.76	S	SEP 08, 1986	351.91	S

CLARK COUNTY -- CONTINUED

WELL 09N 34E 11ADD1 SITE NUMBER 440725112245301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 192.6 FT, CASED TO 208 FT. ORIGINAL DRILLED DEPTH 208 FT. LSD ABOUT 4,955 FT NGVD OF 1929. RECORDER INSTALLED OCT. 7, 1959. RECORDER REMOVED MAY 9, 1972. RECORDER INSTALLED JULY 9, 1977. MP NO. 2 TOP OF 4-IN CASING NORTHEAST SIDE, 2.32 FT ABOVE LSD (SINCE JULY 18, 1975).

RECORDS AVAILABLE 1957 - 1956, 1959 - 1972, 1973 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 148.57 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.

LOWEST WATER LEVEL 157.94 FEET BELOW LAND SURFACE DATUM NOV 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	152.98		JAN 10, 1986	151.34		APR 20, 1986	150.68		JUL 20, 1986	153.02	
10	152.87		15	151.26		25	150.67		25	153.13	
15	152.80		20	151.22		30	150.62		31	153.20	
20	152.69		25	151.21		MAY 05	150.62		AUG 05	153.27	
25	152.57		31	151.12		10	150.61		10	153.32	
31	152.47		FEB 05	151.09		14	150.60		15	153.32	
NOV 05	152.36		10	151.06		15	150.61		20	153.30	
10	152.20		15	151.01		20	150.61		25	153.30	
15	152.11		20	150.92		25	150.62		31	153.34	
20	152.09		25	150.91		31	150.82		SEP 05	153.58	
25	151.93		28	150.84		JUN 05	151.02		08	153.71	S
30	151.80		MAR 05	150.85		10	151.18		09	153.71	
DEC 05	151.78		10	150.82	S	15	151.46		10	153.70	
10	151.65		20	150.78		20	151.70		15	153.67	
15	151.65		25	150.77		25	151.92		20	153.57	
20	151.62		31	150.79		30	152.13		25	153.44	
25	151.59		APR 05	150.77		JUL 05	152.36		30	153.36	
31	151.40		10	150.77		10	152.60				
JAN 05, 1986	151.36		15	150.71		15	152.79				

WELL 09N 34E 29DAA1 SITE NUMBER 440448112283801

FORMERLY WELL NO. 09N 34E 29DAA1. DRILLED UNUSED WATER-TABLE WELL, DIAM 20 IN, DEPTH 420 FT, 20-IN CASING 0-270 FT, 18-IN CASING 270-356 FT. LSD ABOUT 4,839 FT NGVD OF 1929. MP NO. 1 SLOT OPENING IN TOP OF CASING COVER WEST SIDE, 0.50 FT ABOVE LSD (SINCE JUNE 16, 1958).

RECORDS AVAILABLE 1958, 1980, 1981, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 42.90 FEET BELOW LAND SURFACE DATUM JUN 16, 1958.

LOWEST WATER LEVEL 74.90 FEET BELOW LAND SURFACE DATUM AUG 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 04, 1986	67.78	S S	JUL 14, 1986	73.95	S	AUG 11, 1986	72.43	S	SEP 08, 1986	59.34	S

CLARK COUNTY -- CONTINUED

WELL 09N 36E 04BA41 SITE NUMBER 440841112133001

FORMERLY WELL NO. 09N 36E 04ABB1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 315 FT, CASED TO 276.17 FT. LSD ABOUT 5,055 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL EAST SIDE, 1.50 FT ABOVE LSD (SINCE MAR. 20, 1980).

RECORDS AVAILABLE 1980, 1981, 1986 to CURRENT YEAR.

HIGHEST WATER LEVEL 255.18 FEET BELOW LAND SURFACE DATUM MAR 20, 1980.

LOWEST WATER LEVEL 265.05 FEET BELOW LAND SURFACE DATUM AUG 05, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 04, 1986	259.19	R S	JUL 14, 1986	259.63	S	AUG 13, 1986	260.34	S	SEP 08, 1986	260.22	S

WELL 09N 36E 33CBB1 SITE NUMBER 440353112135701

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 155 FT, CASED TO 12 FT. LSD ABOUT 4,865 FT NGVD OF 1929. DIGITAL RECORDER INSTALLED JULY 8, 1977. MP NO. 3 TOP OF CONCRETE PLATFORM NORTHEAST SIDE, 0.43 FT ABOVE LSD (SINCE JULY 8, 1977).

RECORDS AVAILABLE 1963 - 1968, 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 71.77 FEET BELOW LAND SURFACE DATUM MAY 10, 1985.

LOWEST WATER LEVEL 80.88 FEET BELOW LAND SURFACE DATUM SEP 17, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	74.71		FEB 05, 1986	73.40		MAY 10, 1986	72.82	JUL 31, 1986	75.45
10	74.62		10	73.14		15	72.89	AUG 05	75.52
15	74.54		15	73.49		20	72.85	10	75.59
20	74.34		20	73.48		21	72.78	15	75.58
25	74.25		25	73.20		25	73.07	20	75.70
31	74.10		MAR 10	73.11	S	31	73.13	22	75.75
NOV 05	74.06		15	73.10		JUN 05	73.22	25	75.59
10	73.87		20	73.44		10	73.46	31	75.49
15	74.02		25	73.30		15	73.49	SEP 05	75.35
20	73.79		31	73.26		20	73.76	10	75.23
23	73.79		APR 05	73.16		25	74.05	15	75.14
JAN 08, 1986	73.70	S	10	73.12		30	74.32	20	75.08
10	73.70		15	73.05		JUL 05	74.59	25	74.79
15	73.52		20	73.15		10	74.70	30	74.85
20	73.56		25	72.87		15	74.91		
25	73.61		30	73.04		20	75.22		
31	73.44		MAY 05	72.93		25	75.45		

WELL 15N 20E 01ADC1 SITE NUMBER 443942114021301

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 62.8 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,748 FT NGVD OF 1929. MP NO. 2 TOP OF 6-IN CASING WEST SIDE, 0.60 FT ABOVE LSD (SINCE APR. 10, 1974).

RECORDS AVAILABLE 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 31.51 FEET BELOW LAND SURFACE DATUM JUL 11, 1980.

LOWEST WATER LEVEL 49.31 FEET BELOW LAND SURFACE DATUM MAR 12, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	42.91	S	MAR 12, 1986	45.00	S	MAY 29, 1986	33.64	S	JUL 24, 1986	35.46	S
JAN 30, 1986	44.99	S									

WELL 12N 23E 02BBC1 SITE NUMBER 442412113423601

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 20 IN, DEPTH 127.7 FT, CASING DEPTH NOT AVAILABLE, PERFORATED INTERVAL NOT AVAILABLE. LSD ABOUT 5,908 FT NGVD OF 1929. MP NO. 1 HOLE IN PUMPBASE SOUTHWEST SIDE, 1.20 FT ABOVE LSD (SINCE APR. 30, 1971).

RECORDS AVAILABLE 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.80 FEET BELOW LAND SURFACE DATUM JUL 17, 1984.

LOWEST WATER LEVEL 31.77 FEET BELOW LAND SURFACE DATUM MAR 01, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	19.65	S	MAR 12, 1986	23.20	S	MAY 29, 1986	18.97	S	JUL 24, 1986	15.21	S
JAN 30, 1986	22.67	S									

CUSTER COUNTY -- CONTINUED

WELL 09N 21E 14BBC1 SITE NUMBER 440649113565701

DRILLED IRRIGATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 253.8 FT, CASED TO 267 FT, PERFORATED 167-267 FT. LSD ABOUT 6,363 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 30, 1966. RECORDER REMOVED FEB. 4, 1972. RECORDER INSTALLED JULY 27, 1977. MP NO. 2 TOP OF CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE SEPT. 30, 1966).

RECORDS AVAILABLE 1966 - 1971, 1973 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.76 FEET BELOW LAND SURFACE DATUM NOV 02, 1983.

LOWEST WATER LEVEL 85.72 FEET BELOW LAND SURFACE DATUM MAY 15, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 05, 1985	80.43		DEC 31, 1985	80.54		APR 10, 1986	82.15		JUL 15, 1986	82.04
07	80.10		JAN 05, 1986	80.67		15	82.15		20	81.81
10	80.31		10	80.97		20	82.41		25	81.19
15	80.41		15	80.85	S	25	82.14		31	80.81
20	80.38		20	80.88		30	82.27		AUG 05	81.47
25	80.42		25	81.18		MAY 05	82.20		10	81.65
31	80.43		31	81.10		10	82.13		15	81.70
NOV 05	80.52		FEB 05	81.21		15	82.19		20	81.85
08	80.43	S	10	81.31		20	82.18		25	82.15
10	80.38		15	81.28		25	82.26		31	81.01
15	80.75		20	81.41		31	82.52		SEP 05	81.33
20	80.72		25	81.84		JUN 05	82.34		10	80.83
25	80.61		28	81.91		10	82.30		15	80.49
30	80.63		MAR 05	81.93		15	82.06		20	80.34
DEC 05	80.87		10	81.61		20	81.98		25	80.13
10	80.66		20	82.11		25	81.93		30	80.31
15	80.64		25	82.08		30	82.10			
20	80.63		31	82.12		JUL 05	82.06			
25	80.61		APR 05	82.06		10	82.14			

ELMORE COUNTY

WELL 01S 04E 10DAD1 SITE NUMBER 432055115571801

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 10 TO 6 IN, REPORTED DEPTH 525 FT, CASED TO 496 FT, 10-IN CASING 0-496 FT, 6-IN SCREEN 485-525 FT, OPEN BOTTOM. LSD ABOUT 3,300 FT NGVD OF 1929. RECORDER INSTALLED MAY 4, 1961. RECORDER REMOVED JULY 20, 1964. MP NO. 2 TOP OF 5/8-IN HOLE IN WELL SEAL, 2.46 ABOVE LSD (SINCE MAR. 25, 1980).

RECORDS AVAILABLE 1960, 1961 - 1964, 1965 - 1967, 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 340.96 FEET BELOW LAND SURFACE DATUM SEP 19, 1986.

LOWEST WATER LEVEL 342.40 FEET BELOW LAND SURFACE DATUM MAR 05, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATF	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	341.14	S	SEP 19, 1986	340.96	S

WELL 02S 05E 26BDB1 SITE NUMBER 431329115495301

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 8 IN, DEPTH 428.5, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,025 FT NGVD OF 1929. FEB. 27, 1985, WELL HAD FILLED IN TO A DEPTH OF 402.6 FT. MP NO. 1 TOP OF 7/8-IN HOLE IN CASING CAP SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE DEC. 28, 1960).

RECORDS AVAILABLE 1960, 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 307.02 FEET BELOW LAND SURFACE DATUM AUG 22, 1977.

LOWEST WATER LEVEL 314.25 FEET BELOW LAND SURFACE DATUM JAN 16, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	309.99	S	MAR 24, 1986	309.81	S	JUL 29, 1986	309.39	S	SEP 19, 1986	309.28	S
JAN 24, 1986	309.62	S	MAY 14	309.66	S						

WELL 02S 05E 36BBB1 SITE NUMBER 4312421154855[illegible]1

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 6 IN, DEPTH 356.9 FT, CASED TO 50 FT. [illegible]D ABOUT 3,190 FT NGVD OF 1929. RECORDER INSTALLED JUNE 23, 1967. RECORDER REMOVED NOV. 15, 1971. MP NO. 3 TOP OF CASING NORTHEAST SIDE, 2.00 FT ABOVE LSD (SINCE JUNE 23, 1967).

RECORDS AVAILABLE 1960 - 1966, 1967 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 280.97 FEET BELOW LAND SURFACE DATUM NOV 21, 1977.

LOWEST WATER LEVEL 285.95 FEET BELOW LAND SURFACE DATUM MAY 28, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	282.87	S	MAR 24, 1986	282.80	S	JUL 29, 1986	282.80	S	SEP 19, 1986	282.60	S
JAN 24, 1986	283.01	S	MAY 14	282.76	S						

WELL 02S 06E 11DAC1 SITE NUMBER 431527115420901

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 12 IN, REPORTED DEPTH 1,620 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,400 FT NGVD OF 1929. AUG. 13, 1970, WELL HAD FILLED IN TO A DEPTH OF 1,550 FT. MP NO. 1 TOP OF 12-IN CASING, 1.70 FT ABOVE LSD (SINCE SEPT. 28, 1976).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 103.87 FEET BELOW LAND SURFACE DATUM MAR 24, 1986.

LOWEST WATER LEVEL 116.62 FEET BELOW LAND SURFACE DATUM SEP 12, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	
MAR 24, 1986	103.87	S

WELL 02S 11E 11CDD1 SITE NUMBER 431521115065501

DRILLED UNUSED WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 16 TO 12 IN, DEPTH 226.2 FT, 16-IN CASING 0-152 FT, 12-IN SCREEN 177.5-182.5 FT, 203-223 FT. LSD ABOUT 5,110 FT NGVD OF 1929. MP NO. 1 TOP OF 16-IN CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE MAR. 16, 1977).

RECORDS AVAILABLE 1977 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.10 FEET BELOW LAND SURFACE DATUM APR 21, 1981.

LOWEST WATER LEVEL 63.44 FEET BELOW LAND SURFACE DATUM AUG 18, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	27.80	S	MAR 18, 1986	21.30	S	MAY 16, 1986	19.82	S	SEP 17, 1986	38.79	S
JAN 15, 1986	24.03	S									

WELL 03S 05E 07BDD1 SITE NUMBER 431044115542901

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 18 TO 12 IN, REPORTED DEPTH 497 FT, 18-IN CASING 0-110 FT, 12-IN CASING 0-334 FT, PERFORATED 240-332 FT. LSD ABOUT 3,074 FT NGVD OF 1929. MP NO. 2 TOP OF 1-IN HOLE IN CASING CAP NORTHWEST SIDE, 2.10 FT ABOVE LSD (SINCE DEC. 19, 1979).

RECORDS AVAILABLE 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 241.35 FEET BELOW LAND SURFACE DATUM MAY 25, 1976.

LOWEST WATER LEVEL 280.03 FEET BELOW LAND SURFACE DATUM DEC 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	274.31	S	MAR 24, 1986	274.45	S	JUL 29, 1986	274.79	R S	SEP 19, 1986	275.85	R S
JAN 24, 1986	274.34	S	MAY 14	273.39	S						

WELL 03S 06E 13BBA1 SITE NUMBER 431011115411001

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 12 IN, REPORTED DEPTH 150 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,240 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN CASING COVER NORTH SIDE, 1.50 FT ABOVE LSD (SINCE MAY 7, 1976).

RECORDS AVAILABLE 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 21.47 FEET BELOW LAND SURFACE DATUM APR 24, 1984.

LOWEST WATER LEVEL 60.88 FEET BELOW LAND SURFACE DATUM SEP 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 29, 1985	33.80	S	MAR 24, 1986	23.07	S	JUL 29, 1986	25.10	S	SEP 19, 1986	25.97	S
JAN 23, 1986	30.02	S	MAY 14	24.18	S						

WELL 03S 06E 35ABB1 SITE NUMBER 430732115422301

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 12 IN, DEPTH 14.5 FT, CASED TO 14.5 FT, OPEN BOTTOM. LSD ABOUT 3,135 FT NGVD OF 1929. MP NO. 3 TOP OF 14-IN CASING SOUTH SIDE, 1.20 FT ABOVE LSD (SINCE NOV. 25, 1980).

RECORDS AVAILABLE 1967 - 1971, 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.74 FEET BELOW LAND SURFACE DATUM FEB 28, 1984.

LOWEST WATER LEVEL 7.69 FEET BELOW LAND SURFACE DATUM AUG 03, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 29, 1985	4.42	S	JAN 23, 1986	3.57	S	MAR 24, 1986	2.50	S

WELL 03S 06E 35BCC1 SITE NUMBER 430716115425101

DRILLED IRRIGATION WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 12 IN, DEPTH 857.0 FT, CASED TO 598 FT, PERFORATED 6-264 FT. LSD ABOUT 3,145 FT NGVD OF 1929. MP NO. 2 TOP OF 5/8-IN HOLE IN WHEEL EAST SIDE, 1.90 FT ABOVE LSD (SINCE JULY 15, 1981).

RECORDS AVAILABLE 1967, 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 385.00 FEET BELOW LAND SURFACE DATUM NOV 03, 1967.

LOWEST WATER LEVEL 418.65 FEET BELOW LAND SURFACE DATUM NOV 30, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	410.39	V	MAR 24, 1986	409.86	V	JUL 29, 1986	413.73	V	SEP 19, 1986	416.98	V
JAN 23, 1986	410.87	V	MAY 14	409.53	V						

WELL 04S 03E 23CDD1 SITE NUMBER 430321116040101

DRILLED UNUSED WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 20 IN, REPORTED DEPTH 600 FT, CASED TO 65.5 FT. LSD ABOUT 2,917 FT NGVD OF 1929. MP NO. 1 TOP OF 1-IN COUPLING, 1.65 FT ABOVE LSD (SINCE APR. 15, 1976).

RECORDS AVAILABLE 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 242.69 FEET BELOW LAND SURFACE DATUM JAN 22, 1977.

LOWEST WATER LEVEL 253.78 FEET BELOW LAND SURFACE DATUM JUL 30, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	253.34	S	MAR 24, 1986	253.35	S	JUL 30, 1986	253.78	S	SEP 17, 1986	253.64	S
JAN 22, 1986	253.25	S	MAY 14	253.50	S						

WELL 04S 05E 25BBC1 SITE NUMBER 430310115485701

DRILLED IRRIGATION WATER-TABLE WELL IN BRUNEAU FORMATION, REPORTED DEPTH 530 FT, CASING INFORMATION NOT AVAILABLE. LSD ABOUT 3,048 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE INSIDE PUMPBASE NORTH SIDE, 1.20 FT ABOVE LSD (SINCE SEPT. 25, 1979).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 359.05 FEET BELOW LAND SURFACE DATUM JAN 27, 1967.

LOWEST WATER LEVEL 431.73 FEET BELOW LAND SURFACE DATUM SEP 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	392.21	S	JUL 29, 1986	406.64	S	SEP 17, 1986	399.94	V S

WELL 04S 07E 09DCC1 SITE NUMBER 430505115373401

DRILLED IRRIGATION WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 12 TO 8 IN, REPORTED DEPTH 862 FT, 12-IN CASING 0-630 FT, 8-IN CASING 665-775 FT. LSD ABOUT 3,152 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE INSIDE PUMPBASE NORTHEAST SIDE, 0.60 FT ABOVE LSD (SINCE JAN. 30, 1967).

RECORDS AVAILABLE 1967 - 1977, 1978 - 1981, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 367.40 FEET BELOW LAND SURFACE DATUM MAR 19, 1973.

LOWEST WATER LEVEL 413.70 FEET BELOW LAND SURFACE DATUM SEP 12, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	
MAR 25, 1986	386.50	V

WELL 04S 10E 30BBA1 SITE NUMBER 430310115190801

DRILLED UNUSED WATER-TABLE WELL IN GLENNS FERRY FORMATION, DIAM 16 IN, REPORTED DEPTH 2,265 FT, 20-IN CASING 0-400 FT, 16-IN CASING 0-1,497 FT. LSD ABOUT 3,455 FT NGVD OF 1929. SEPT. 2, 1970, WELL HAD FILLED IN TO A DEPTH OF 1,481 FT. MP NO. 1 TOP OF HOLE IN 20-IN CASING COVER, 1.70 FT ABOVE LSD (SINCE FEB. 3, 1967).

RECORDS AVAILABLE 1967 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 257.33 FEET BELOW LAND SURFACE DATUM MAR 23, 1968.

LOWEST WATER LEVEL 271.27 FEET BELOW LAND SURFACE DATUM SEP 20, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	270.42	S	MAR 25, 1986	269.37	S	MAY 28, 1986	269.45	S	SEP 24, 1986	270.66	S
JAN 27, 1986	269.39	S									

WELL 05S 08E 36CCC1 SITE NUMBER 425621115273501

DRILLED UNUSED WATER-TABLE WELL IN MELON GRAVEL, DIAM 6 IN, REPORTED DEPTH 90 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,536 FT NGVD OF 1929. MP NO. 2 LOW POINT OF NOTCH IN TOP OF CASING SOUTHWEST SIDE, 3.89 FT BELOW LSD (SINCE APR. 11, 1979).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 55.49 FEET BELOW LAND SURFACE DATUM SEP 21, 1974.

LOWEST WATER LEVEL 65.11 FEET BELOW LAND SURFACE DATUM MAR 09, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	63.97	S	JUL 29, 1986	63.71	S	AUG 19, 1986	63.64	S	SEP 08, 1986	63.47	S

WELL 05S 10E 28CAB1 SITE NUMBER 425734115163401

DRILLED DOMESTIC ARTESIAN WELL IN GLENNS FERRY FORMATION, DIAM 8 IN, REPORTED DEPTH 1,100 FT, CASED TO 146 FT. LSD 2,543.25 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 2 TOP OF 1 1/2-IN COUPLING, 1.97 FT ABOVE LSD (SINCE JULY 30, 1986).

RECORDS AVAILABLE 1976 - 1982, 1983, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.03 FEET ABOVE LAND SURFACE DATUM APR 19, 1978.

LOWEST WATER LEVEL 0.39 FEET ABOVE LAND SURFACE DATUM AUG 26, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAY 27, 1986	6.35 E	S	JUL 30, 1986	1.49	S	AUG 26, 1986	0.39	S	SEP 24, 1986	0.[illegible] R	S
JUN 26	4.41 E	S									

WELL 06S 10E 30DBC1 SITE NUMBER 425211115184501

FORMERLY SITE ID NO. 425208115184201, WELL NO. 06S 10E 30DCB1. DRILLED STOCK WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 6 IN, REPORTED DEPTH 437 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,990 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN CASING COVER, 1.10 FT ABOVE LSD (SINCE FEB. 10, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 246.23 FEET BELOW LAND SURFACE DATUM SEP 12, 1985.

LOWEST WATER LEVEL 333.06 FEET BELOW LAND SURFACE DATUM SEP 19, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	295.85	V	MAR 26, 1986	271.79	V	MAY 29, 1986	268.62	V	JUL 03, 1986		N

WELL 06S 11E 06BBA1 SITE NUMBER 425617115120001

DRILLED DOMESTIC WATER-TABLE WELL IN GLENNS FERRY FORMATION, DIAM 6 IN, REPORTED DEPTH 445 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,680 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL EAST SIDE, 0.60 FT ABOVE LSD (SINCE FEB. 15, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 107.21 FEET BELOW LAND SURFACE DATUM FEB 15, 1967.

LOWEST WATER LEVEL 126.42 FEET BELOW LAND SURFACE DATUM MAR 18, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	125.49	R S	JUL 30, 1986	125.06	S	AUG 26, 1986	124.99	S	SEP 24, 1986	124.78	S

WELL 07S 09E 12CBA1 SITE NUMBER 424955115211001

DRILLED DOMESTIC WATER-TABLE WELL IN BRUNEAU FORMATION, DEPTH 8 TO 6 IN, DEPTH 280 FT, CASED TO 183 FT. LSD ABOUT 2,910 FT NGVD OF 1929. MP NO. 1 TOP OF 1/2-IN HOLE IN CASING COVER, 1.50 FT ABOVE LSD (SINCE MAR. 11, 1980).

RECORDS AVAILABLE 1980, 1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 144.04 FEET BELOW LAND SURFACE DATUM MAR 03, 1982.

LOWEST WATER LEVEL 148.44 FEET BELOW LAND SURFACE DATUM JUN 26, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 21, 1985	144.53	R V	FEB 24, 1986	144.31	V	JUN 26, 1986	148.44	V	AUG 27, 1986	146.89	P V
DEC 20	144.87	V	MAR 28	144.36	V	JUL 31	144.73	R V			

WELL 07S 10E 22DDD1 SITE NUMBER 424749115153101

DRILLED DOMESTIC WATER-TABLE WELL IN GLENNS FERRY FORMATION, DIAM 8 IN, DEPTH 735 FT, CASED TO 735 FT, PERFORATED 665-735 FT. LSD ABOUT 3,158 FT NGVD OF 1929. MP NO. 1 ACCESS HOLE IN CASING SEAL, 1.30 FT ABOVE LSD (SINCE APR. 9, 1982).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 266.36 FEET BELOW LAND SURFACE DATUM MAR 26, 1986.

LOWEST WATER LEVEL 273.37 FEET BELOW LAND SURFACE DATUM AUG 16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 27, 1986	266.45	S	MAR 26, 1986	266.36	S	JUN 26, 1986	272.68	V	AUG 27, 1986	268.59	V
FEB 24	266.38	S	APR 21	296.51 P	V	JUL 31	268.56	V	SEP 25	268.80	

WELL 14S 38E 15CDC1 SITE NUMBER 421156112002701

FORMERLY SITE ID NO. 421155112002801. DRILLED IRRIGATION WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 12 IN, REPORTED DEPTH 200 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,795 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN PUMPBASE WEST SIDE, 0.70 FT ABOVE LSD (SINCE JULY 25, 1979).

RECORDS AVAILABLE 1967, 1968, 1969 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.41 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 43.02 FEET BELOW LAND SURFACE DATUM SEP 20, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	17.80	S	MAR 05, 1986	15.34	S	JUL 01, 1986	22.27	P S	SEP 24, 1986	16.75	S
JAN 23, 1986	17.52	S	MAY 21	12.41	S						

WELL 16S 39E 18CDA1 SITE NUMBER 420150111564701

FORMERLY SITE ID NO. 420152111564801. DRILLED IRRIGATION WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 14 IN, REPORTED DEPTH 462 FT, CASED TO 462 FT, PERFORATED 204-212 FT, 238-242 FT, 252-265 FT, 271-273 FT. LSD 4,542.7 FT NGVD OF 1929. MP NO. 3 TOP OF 14-IN CASING NORTH SIDE, 2.20 FT BELOW LSD (SINCE MAY 23, 1979).

RECORDS AVAILABLE 1967 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.71 FEET BELOW LAND SURFACE DATUM JUL 03, 1969.

LOWEST WATER LEVEL 51.69 FEET BELOW LAND SURFACE DATUM SEP 23, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	26.25	S	MAR 05, 1986	24.40	S	JUL 01, 1986	26.10	R S	SEP 24, 1986	28.16	S
JAN 23, 1986	24.81	S	MAY 21	23.87	S						

WELL 16S 40E 29CCB1   SITE NUMBER 420011111485501

FORMERLY SITE ID NO. 420014111490001, WELL NO. 16S 40E 29CBC1. DRILLED UNUSED WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 10 IN, DEPTH 81.5 FT, CASING DEPTH NOT AVAILABLE. LSD 4,504.9 FT NGVD OF 1929. RECORDER INSTALLED NOV. 3, 1967. RECORDER REMOVED AUG. 31, 1971. DIGITAL RECORDER INSTALLED NOV. 21, 1978. MP NO. 1 TOP OF 10-IN CASING EAST SIDE, 1.90 FT ABOVE LSD (SINCE JULY 10, 1967).

RECORDS AVAILABLE 1967 - 1971, 1972 - 1976, 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.57 FEET BELOW LAND SURFACE DATUM APR 01, 1984.

LOWEST WATER LEVEL 23.42 FEET BELOW LAND SURFACE DATUM FEB 20, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	9.01	DEC 31, 1985	9.32	MAR 31, 1986	4.08	JUL 05, 1986	2.86
10	9.38	JAN 05, 1986	9.45	APR 05	3.01	10	4.25
15	9.69	10	9.55	10	3.68	15	5.02
20	10.12	15	9.68	15	2.71	20	5.72
25	10.31	20	9.71	20	3.27	25	6.14
31	10.86	25	9.28	25	2.48	31	6.62
NOV 05	11.25	31	9.28	30	2.29	AUG 05	7.15
10	11.50	FEB 05	8.35	MAY 05	3.09	10	7.77
13	11.77	10	8.16	10	2.29	15	6.88
14	11.77	15	7.32	15	3.04	20	2.46
15	11.75	19	0.60	20	3.83	25	4.71
20	11.61	20	1.09	25	4.29	31	5.38
25	11.26	25	2.29	31	4.91	SEP 05	6.17
30	9.71	28	2.68	JUN 05	5.49	10	6.71
DEC 05	9.12	MAR 05	3.16	10	5.95	15	7.24
10	6.84	10	2.34	15	6.36	20	7.72
15	8.75	15	2.69	20	6.75	25	7.92
20	8.86	20	2.92	25	7.03	30	7.44
25	9.05	25	3.52	30	3.45		

WELL 15N 43E 13BCA1 SITE NUMBER 443745111195401

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 155 FT, CASED TO 155 FT. LSD ABOUT 6,620 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE IN WELL SEAL, 1.50 FT ABOVE LSD (SINCE JUNE 12, 1974).

RECORDS AVAILABLE 1974 - 1975, 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 98.57 FEET BELOW LAND SURFACE DATUM JUL 05, 1984.

LOWEST WATER LEVEL 121.74 FEET BELOW LAND SURFACE DATUM APR 12, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	110.08	S	MAR 04, 1986	117.01	S	JUL 15, 1986	102.69	S	SEP 25, 1986	105.48	S
JAN 22, 1986	107.43	S	MAY 28	110.57	S						

WELL 14N 43E 02AAC1 SITE NUMBER 443419111202401

DRILLED DOMESTIC WATER-TABLE WELL IN LAVA CREEK TUFF, DIAM 8 IN, REPORTED DEPTH 125 FT, CASED TO 19 FT. LSD ABOUT 6,516 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL SOUTH SIDE, 4.40 FT BELOW LSD (SINCE JULY 25, 1969).

RECORDS AVAILABLE 1969 - 1973, 1974 - 1981, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 83.18 FEET BELOW LAND SURFACE DATUM MAY 17, 1972.

LOWEST WATER LEVEL 92.84 FEET BELOW LAND SURFACE DATUM DEC 19, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	86.35	S	MAR 04, 1986	87.82	S	JUL 15, 1986	84.68	S	SEP 25, 1986	85.81	S
JAN 22, 1986	86.76	S	MAY 28	84.60	S						

WELL 13N 43E 15ADC1 SITE NUMBER 442709111213501

DRILLED COMMERCIAL WATER-TABLE WELL IN LAVA CREEK TUFF, DIAM 6 IN, REPORTED DEPTH 58 FT, CASED TO 38 FT, PERFORATED 38-58 FT. LSD ABOUT 6,300 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL, 0.30 FT ABOVE LSD (SINCE JULY 10, 1974).

RECORDS AVAILABLE 1974 - 1975, 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.28 FEET BELOW LAND SURFACE DATUM MAY 21, 1976.

LOWEST WATER LEVEL 19.01 FEET BELOW LAND SURFACE DATUM SEP 16, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	16.82	S	MAR 04, 1986	18.43	S	JUL 15, 1986	16.30	S	SEP 25, 1986	16.38	S
JAN 22, 1986	17.07	S	MAY 28	12.88	S						

WELL 09N 39E 04AAC1 SITE NUMBER 440831111513901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, REPORTED DEPTH 870 FT, CASED TO 10 FT. LSD 5,668.20 FT NGVD OF 1929. AUG. 1967, WELL WAS CLEANED AND DEEPENED TO A REPORTED DEPTH OF 884.6 FT. MP NO. 3 TOP OF 1-IN NIPPLE IN CASING COVER SOUTHEAST SIDE, 2.26 FT ABOVE LSD (SINCE OCT. 21, 1983).

RECORDS AVAILABLE 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 834.43 FEET BELOW LAND SURFACE DATUM JAN 13, 1986.

LOWEST WATER LEVEL 848.15 FEET BELOW LAND SURFACE DATUM JUN 24, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	834.59	S	MAR 12, 1986	835.32	S	JUL 25, 1986	836.34	S	SEP 26, 1986	835.87	S
JAN 13, 1986	834.43	S	MAY 19	835.43	S						

WELL 09N 40E 05DDD1 SITE NUMBER 440752111452901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, REPORTED DEPTH 730 FT, CASED TO 5 FT. LSD 5,535.40 FT NGVD OF 1929. AUG. 1967, WELL WAS CLEANED AND DEEPENED TO A REPORTED DEPTH OF 747.6 FT. MP NO. 4 TOP OF 1-IN NIPPLE WEST SIDE IN CASING COVER, 1.54 FT ABOVE LSD (SINCE OCT. 21, 1983).

RECORDS AVAILABLE 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 691.97 FEET BELOW LAND SURFACE DATUM APR 10, 1971.

LOWEST WATER LEVEL 709.38 FEET BELOW LAND SURFACE DATUM MAY 28, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	692.80	S	MAY 19, 1986	697.96	S	JUL 25, 1986	700.01	S	SEP 26, 1986	695.88	S
APR 08, 1986	696.81	S									

WELL 09N 42E 34DDA1 SITE NUMBER 440332111283201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, REPORTED DEPTH 110 FT, CASED TO 7 FT. LSD ABOUT 5,228 FT NGVD OF 1929. MP NO. 2 BOTTOM OF HOLE IN PUMPBASE SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE MAR. 24, 1981).

RECORDS AVAILABLE 1962, 1969 - 1970, 1971 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.83 FEET BELOW LAND SURFACE DATUM SEP 28, 1986.

LOWEST WATER LEVEL 19.25 FEET BELOW LAND SURFACE DATUM JUL 01, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	11.10	S	MAR 05, 1986	11.94	S	JUL 16, 1986	12.47	S	SEP 28, 1986	5.83	S
JAN 23, 1986	12.67	S	MAY 29	10.71	S						

WELL 08N 40E 01CAD1 SITE NUMBER 440253111412101

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, REPORTED DEPTH 355 FT, CASING DEPTH NOT AVAILABLE. LSD 5,160.00 FT NGVD OF 1929. AUG. 1967, WELL WAS CLEANED AND DEEPENED TO A DEPTH OF 376 FT, 4-IN CASING 0-60 FT. AUG. 1, 1968, WELL HAD FILLED IN TO A DEPTH OF 338 FT. AUG. 24, 1971, CLEANED WELL TO 376 FT. INSTALLED 1 1/4-IN PIPE 0-375 FT, PERFORATED 350-365 FT. MP NO. 2 TOP OF 1 1/4-IN PIPE COUPLING SOUTH SIDE IN CASING COVER PLATE, 0.65 FT ABOVE LSD (SINCE MAY 15, 1980).

RECORDS AVAILABLE 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 303.35 FEET BELOW LAND SURFACE DATUM OCT 20, 1970.

LOWEST WATER LEVEL 336.89 FEET BELOW LAND SURFACE DATUM MAY 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	323.92	S	MAR 11, 1986	326.51	S	JUL 24, 1986	323.80	S	SEP 24, 1986	324.82	S
JAN 14, 1986	325.03	S	MAY 19	327.68	S						

WELL 08N 40E 21DDD2 SITE NUMBER 435958111441402

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 382 FT, 3/4-IN PIEZOMETER TUBE 0-215 FT, PERFORATED 207.5-212.5 FT, GRAVEL FILL 192-382 FT, CONCRETE SEAL 175-192 FT, 382-423 FT. LSD 4,963.64 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE WEST SIDE, 1.07 FT ABOVE LSD (SINCE AUG. 28, 1967).

RECORDS AVAILABLE 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 126.02 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 140.98 FEET BELOW LAND SURFACE DATUM APR 08, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	126.66	S	MAR 11, 1986	129.81	S	JUL 25, 1986	128.38	S	SEP 26, 1986	126.02	S
JAN 14, 1986	128.70	S	MAY 19	130.57	S						

WELL 08N 41E 25CBB1 SITE NUMBER 435924111343701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 140 FT, CASED TO 91 FT. LSD ABOUT 5,075 FT NGVD OF 1929. MP NO. 2 TOP OF ACCESS HOLE IN WELL SEAL SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JUNE 6, 1986).

RECORDS AVAILABLE 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 46.53 FEET BELOW LAND SURFACE DATUM AUG 12, 1986.

LOWEST WATER LEVEL 76.64 FEET BELOW LAND SURFACE DATUM JUN 06, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 06, 1986	76.64	S	JUL 24, 1986	50.00	S	AUG 12, 1986	46.53	S	SEP 26, 1986	47.45	S

WELL 08N 41E 33ABB1 SITE NUMBER 435904111373101

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 225 FT, 8-IN CASING 6-25 FT, 6-IN CASING 1-67 FT. LSD ABOUT 5,010 FT NGVD OF 1929. MP NO. 1 ACCESS HOLE IN WELL SEAL NORTH SIDE, 1.00 FT ABOVE LSD (SINCE NOV. 8, 1979).

RECORDS AVAILABLE 1979, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 39.22 FEET BELOW LAND SURFACE DATUM JUL 24, 1986.

LOWEST WATER LEVEL 54.27 FEET BELOW LAND SURFACE DATUM JAN 15, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 06, 1986	44.20	S	JUL 24, 1986	39.22	S	AUG 12, 1986	40.24	S	SEP 26, 1986	42.98	S

WELL 08N 42E 09BAB1 SITE NUMBER 440232111304501

DRILLED DOMESTIC WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 6 IN, DEPTH 173 FT, CASED TO 18.5 FT. LSD ABOUT 5,200 FT NGVD OF 1929. MP NO. 1 TOP OF CASING NORTH SIDE, 1.60 FT ABOVE LSD (SINCE JUNE 6, 1986).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 48.37 FEET BELOW LAND SURFACE DATUM JUL 24, 1986.

LOWEST WATER LEVEL 60.81 FEET BELOW LAND SURFACE DATUM JUN 06, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 06, 1986	60.81	S	JUL 24, 1986	48.37	S	AUG 13, 1986	48.66	S	SEP 28, 1986	49.97	S

WELL 08N 43E 06BAA1 SITE NUMBER 440324111254401

DRILLED DOMESTIC WATER-TABLE WELL IN FALLS RIVER BASALT, DIAM 6 IN, DEPTH 62 FT, CASED TO 19.50 FT. LSD ABOUT 5,295 FT NGVD OF 1929. MP NO. 1 HOLE IN CASING WEST SIDE, 1.60 FT ABOVE LSD (SINCE JUNE 29, 1975).

RECORDS AVAILABLE 1975, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 28.39 FEET BELOW LAND SURFACE DATUM AUG 12, 1986.

LOWEST WATER LEVEL 30.78 FEET BELOW LAND SURFACE DATUM JUN 29, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUL 24, 1986	29.34	S	AUG 12, 1986	28.39	S	SEP 28, 1986	28.70	S

WELL 07N 39E 01CCD1 SITE NUMBER 435724111485101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 122 FT, CASED TO 84.3 FT. LSD 4,904.30 FT NGVD OF 1929. RECORDER INSTALLED OCT. 26, 1967. RECORDER REMOVED MAY 28, 1982. MP NO. 1 TOP OF 6-IN CASING, 0.56 FT ABOVE LSD (SINCE JULY 13, 1967).

RECORDS AVAILABLE 1967 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 70.09 FEET BELOW LAND SURFACE DATUM SEP 14, 1973.

LOWEST WATER LEVEL 84.60 FEET BELOW LAND SURFACE DATUM MAR 10, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985		N	MAR 07, 1986	78.39	S	MAY 19, 1986	76.84	S	JUL 25, 1986	72.24	S

WELL 07N 39E 01CCD2 SITE NUMBER 435724111485102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 55 FT, CASED TO 19 FT. LSD 4,904.30 FT NGVD OF 1929. SEPT. 27, 1971, INSTALLED 4-IN CASING 0-55 FT, PERFORATED 45-55 FT. RECORDER INSTALLED JUNE 21, 1968. RECORDER REMOVED DEC. 12, 1968. RECORDER INSTALLED MAY 12, 1969. RECORDER REMOVED OCT. 15, 1970. MP NO. 2 TOP OF 4-IN CASING COUPLING SOUTH SIDE, 1.29 FT ABOVE LSD (SINCE SEPT. 27, 1971).

RECORDS AVAILABLE 1967, 1968 - 1970, 1971 - 1979, 1980 - 1986.

HIGHEST WATER LEVEL 25.81 FEET BELOW LAND SURFACE DATUM AUG 02, 1969.

LOWEST WATER LEVEL WELL DRY MAR 25, 1968; FEB 05, 1969; MAR 27, 1969; APR 14, 1969; NOV 12, 1969; NOV 20, 1969; NOV 25, 1969; NOV 30, 1969; DEC 05, 1969; DEC 10, 1969; DEC 15, 1969; DEC 20, 1969; DEC 25, 1969; DEC 31, 1969; JAN 05, 1970; JAN 10, 1970; JAN 15, 1970; JAN 20, 1970; JAN 25, 1970; JAN 31, 1970; FEB 05, 1970; FEB 10, 1970; FEB 15, 1970; FEB 20, 1970; FEB 28, 1970; MAR 05, 1970; MAR 10, 1970; MAR 15, 1970; MAR 20, 1970; MAR 25, 1970; MAR 30, 1970; APR 05, 1970; APR 10, 1970; APR 15, 1970; APR 20, 1970; APR 25, 1970; NOV 24, 1970; DEC 21, 1970; JAN 28, 1971; MAR 08, 1971; MAR 30, 1971; MAY 03, 1971; OCT 27, 1971; NOV 30, 1971; JAN 06, 1972; FEB 01, 1972; APR 11, 1972; OCT 11, 1973; JAN 27, 1977; NOV 13, 1980; JAN 05, 1981; MAR 05, 1981; NOV 09, 1981; FEB 11, 1982; MAR 17, 1982; JAN 13, 1983; NOV 22, 1983; JAN 17, 1984; MAR 05, 1984; NOV 30, 1984; MAR 07, 1985; JAN 17, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06, 1985	53.47	S	JAN 17, 1986	DRY	JAN 18, 1986	N

WELL 07N 39E 07BDA1 SITE NUMBER 435705111542701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 340 FT, CASED TO 75 FT, CONCRETE SEAL 69-75 FT. LSD 4,874.50 FT NGVD OF 1929. RECORDER INSTALLED APR. 26, 1974. RECORDER REMOVED SEPT. 26, 1980. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 1.44 FT ABOVE LSD (SINCE APR. 25, 1974).

RECORDS AVAILABLE 1974 - 1979, 1980, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 43.93 FEET BELOW LAND SURFACE DATUM NOV 20, 1975.

LOWEST WATER LEVEL 63.71 FEET BELOW LAND SURFACE DATUM MAR 17, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	55.18	S	MAR 07, 1986	58.27	S	JUL 25, 1986	55.81	S	SEP 23, 1986	53.96	S
JAN 14, 1986	56.84	S	MAY 19	56.11	S						

WELL 07N 39E 16DBB1 SITE NUMBER 435605111515803

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 444 FT, CASED TO 215 FT, CONCRETE SEAL 185-215 FT. LSD 4,872.84 FT NGVD OF 1929. RECORDER INSTALLED JUNE 14, 1969. RECORDER REMOVED MAY 28, 1982. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 1.37 FT ABOVE LSD (SINCE MAR. 3, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 52.21 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 61.80 FEET BELOW LAND SURFACE DATUM APR 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	53.19	S	MAR 07, 1986	56.06	S	JUL 25, 1986	53.22	S	SEP 23, 1986	52.21	S
JAN 14, 1986	54.90	S	MAY 19	55.43	S						

WELL 07N 39E 16DBB2 SITE NUMBER 435605111515802

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 12-8-6 IN, REPORTED DEPTH 107 FT, 12-IN CASING 0-56 FT, 8-IN CASING 0-96 FT, 6-IN CASING 90-105 FT, SCREENED 96-101 FT. LSD 4,872.64 FT NGVD OF 1929. RECORDER INSTALLED JUNE 14, 1969. RECORDER REMOVED MAY 28, 1982. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 0.91 FT ABOVE LSD (SINCE MAR. 3, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 21.45 FEET BELOW LAND SURFACE DATUM OCT 04, 1969.

LOWEST WATER LEVEL 41.23 FEET BELOW LAND SURFACE DATUM MAR 31, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	27.69	S	MAR 07, 1986	37.00	S	JUL 25, 1986	22.84	S	SEP 23, 1986	23.57	S
JAN 14, 1986	33.23	S	MAY 19	26.52	S						

WELL 07N 39E 16DBB3 SITE NUMBER 435605111515801

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 38 FT, 8-IN CASING 0-28 FT, 6-IN CASING 25-37 FT, SCREENED 28-33 FT. LSD 4,872.54 FT NGVD OF 1929. RECORDER INSTALLED JUNE 14, 1969. RECORDER REMOVED MAY 28, 1982. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 0.69 FT ABOVE LSD (SINCE MAR. 11, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.83 FEET BELOW LAND SURFACE DATUM JUL 29, 1978.

LOWEST WATER LEVEL WELL DRY FEB 15, 1973; FEB 20, 1973; FEB 28, 1973; MAR 05, 1973; MAR 10, 1973; MAR 15, 1973; MAR 20, 1973; MAR 25, 1973; MAR 31, 1973; APR 05, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	11.28	S	MAR 07, 1986	23.70	S	JUL 25, 1986	3.92	S	SEP 23, 1986	6.05	S
JAN 14, 1986	18.73	S	MAY 19	8.80	S						

WELL 07N 40E 05DBC1 SITE NUMBER 435736111460201

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 39.3 FT, SAND POINT 37.3-39.3 FT. LSD 4,919.86 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1 1/4-IN PIPE NORTH SIDE, 0.70 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.75 FEET BELOW LAND SURFACE DATUM AUG 05, 1974.

LOWEST WATER LEVEL 14.71 FEET BELOW LAND SURFACE DATUM MAR 15, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	6.54	S	MAR 07, 1986	11.12	S	JUL 25, 1986	5.12	S	SEP 24, 1986	4.43	S
JAN 17, 1986	9.77	S	MAY 19	8.44	S						

WELL 07N 40E 19ADD2 SITE NUMBER 435516111464004

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 355 FT, 10-IN CASING 0-18.8 FT, 8-IN CASING 0-107 FT, 6-IN CASING 0-144 FT, CONCRETE SEAL 135-144 FT. LSD 4,856.33 FT NGVD OF 1929. RECORDER INSTALLED JULY 3, 1968. RECORDER REMOVED AUG. 24, 1982. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 0.84 FT ABOVE LSD (SINCE JULY 3, 1968).

RECORDS AVAILABLE 1968 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.89 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 36.22 FEET BELOW LAND SURFACE DATUM APR 20, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	25.77	S	MAR 07, 1986	29.58	S	JUL 25, 1986	25.36	S	SEP 24, 1986	23.89	S
JAN 17, 1986	25.03	S	MAY 19	29.11	S						

WELL 07N 40E 19ADD3 SITE NUMBER 435516111464003

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 4 IN, REPORTED DEPTH 40.5 FT, 8-IN CASING 0-31.3 FT, 4-IN CASING 29-40.5 FT, SCREENED 33.5-38.5 FT. LSD 4,856.33 FT NGVD OF 1929. RECORDER INSTALLED FEB. 13, 1970. RECORDER REMOVED AUG. 24, 1982. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 0.99 FT ABOVE LSD (SINCE JULY 31, 1968).

RECORDS AVAILABLE 1968 - 1969, 1970 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.66 FEET BELOW LAND SURFACE DATUM AUG 14, 1972.

LOWEST WATER LEVEL 27.10 FEET BELOW LAND SURFACE DATUM MAR 25, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	14.30	S	MAR 07, 1986	16.18	S	JUL 25, 1986	10.69	S	SEP 24, 1986	10.74	S
JAN 17, 1986	14.01	S	MAY 19	16.37	S						

WELL 07N 40E 19ADD4 SITE NUMBER 435516111464002

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 4 IN, REPORTED DEPTH 20.5 FT, 8-IN CASING 0-10.7 FT, 4-IN CASING 9-20.5 FT, SCREENED 13.5-18.5 FT. LSD 4,856.93 FT NGVD OF 1929. RECORDER INSTALLED FEB. 13, 1970. RECORDER REMOVED SEPT. 29, 1980. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 1.14 FT ABOVE LSD (SINCE JULY 31, 1968).

RECORDS AVAILABLE 1968 - 1969, 1970 - 1979, 1980, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.08 FEET BELOW LAND SURFACE DATUM JUL 03, 1972.

LOWEST WATER LEVEL 11.66 FEET BELOW LAND SURFACE DATUM APR 20, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	5.38	S	MAR 07, 1986	5.36	S	JUL 25, 1986	1.98	S	SEP 24, 1986	2.21	S
JAN 17, 1986	4.94	S	MAY 19	5.66	S						

WELL 07N 40E 23CCB1 SITE NUMBER 435457111430001

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 50.2 FT, CASED TO 50.2 FT, SANDPOINT 48.2-50.2 FT. LSD 4,923.83 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE EAST SIDE, 1.23 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966 - 1979. 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.75 FEET BELOW LAND SURFACE DATUM AUG 15, 1968.

LOWEST WATER LEVEL WELL DRY MAR 20, 1967; APR 24, 1967; MAY 29, 1967; MAR 08, 1968; MAR 29, 1968; MAY 01, 1968; MAR 21, 1969; APR 25, 1969; MAY 23, 1969; MAR 24, 1970; APR 29, 1970; JUN 01, 1970; MAR 23, 1971; APR 30, 1971; JUN 05, 1971; MAR 20, 1972; MAR 19, 1973; APR 17, 1973; APR 23, 1973; MAY 21, 1973; MAR 08, 1974; MAY 24, 1974; APR 21, 1975; JUN 04, 1975; MAY 17, 1976; MAY 21, 1976; JUN 08, 1976; JUN 09, 1976; MAR 29, 1977; APR 27, 1977; MAY 09, 1977; JUN 14, 1977; JUN 22, 1977; JAN 06, 1978; JAN 20, 1978; FEB 25, 1978; MAR 09, 1978; MAR 22, 1978; APR 13, 1978; APR 17, 1978; APR 29, 1978; MAY 06, 1978; MAY 16, 1978; JUN 07, 1978; JUN 23, 1978; JUN 27, 1978; JUL 06, 1978; APR 17, 1979; MAY 16, 1979; JUN 12, 1979; MAR 19, 1980; MAR 05, 1981; MAY 12, 1981; MAR 17, 1982; MAY 28, 1982; MAR 25, 1983; MAY 13, 1983; MAY 30, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	34.24	S	MAR 07, 1986	37.01	S	MAY 19, 1986	44.51	S	SEP 25, 1986	18.07	S
JAN 17, 1986	35.71	S									

WELL 07N 41E 14ABA1 SITE NUMBER 435626111350401

DRILLED UNUSED WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD 5,105.90 FT NGVD OF 1929. MP NO. 2 TOP OF 3/8-IN HOLE IN PUMPBASE EAST SIDE, 1.30 FT ABOVE LSD (SINCE MAR. 26, 1980).

RECORDS AVAILABLE 1962, 1966, 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 113.34 FEET BELOW LAND SURFACE DATUM JUL 11, 1962.

LOWEST WATER LEVEL 124.47 FEET BELOW LAND SURFACE DATUM MAR 26, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
JUN 06, 1986	120.07	S	JUL 24, 1986	119.44	S	AUG 12, 1986	113.71	S	SEP 30, 1986	O

FREMONT COUNTY -- CONTINUED

WELL 07N 41E 32DDA1 SITE NUMBER 435312111381001

DRILLED UNUSED WATER-TABLE WELL, DIAM 15 TO 8 IN, DEPTH 375 FT, CASED TO 160 FT. LSD 4,990 FT NGVD OF 1929. MP NO. 1 TOP OF 7/16-IN ACCESS HOLE IN PLATE WELDED ON CASING, 1.00 FT ABOVE LSD (SINCE JUNE 5, 1986).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 109.11 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 119.01 FEET BELOW LAND SURFACE DATUM JUN 05, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVFL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 05, 1986	119.01	S	JUL 24, 1986	112.30	S	AUG 12, 1986	109.64	S	SEP 24, 1986	109.11	S

WELL 07N 42E 06DDA1 SITE NUMBER 435727111321901

DRILLED IRRIGATION WATER-TABLE WELL IN SILICIC VOLCANIC ROCK OF TERTIARY AGE, DIAM 20 IN, REPORTED DEPTH 910 FT, CASED TO 125 FT. LSD 5,264.46 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. SOME MEASUREMENTS AFTER APR. 21, 1975, MADE BY U.S. BUREAU OF RECLAMATION. MP NO. 1 TOP OF CASING SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE MAR. 18, 1982).

RECORDS AVAILABLE 1962, 1966 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 231.40 FEET BELOW LAND SURFACE DATUM NOV 22, 1971.

LOWEST WATER LEVEL 288.83 FEET BELOW LAND SURFACE DATUM AUG 13, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 07, 1986	268.93	S	SEP 29, 1986	252.94	S

WELL 07N 42E 17BAD1 SITE NUMBER 435615111315001

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 10 TO 6 IN, REPORTED DEPTH 500 FT, 10-IN CASING 0-37.5 FT, 6-IN CASING 0-500 FT, PERFORATED 427.7-500 FT, CONCRETE SEAL 0-37.5 FT. LSD 5,318.70 FT NGVD OF 1929. RECORDER INSTALLED OCT. 17, 1972. RECORDER REMOVED MAY 28, 1982. MP NO. 1 TOP OF 6-IN CASING WEST SIDE, 0.80 FT ABOVE LSD (SINCE OCT. 17, 1972).

RECORDS AVAILABLE 1972 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 186.06 FEET BELOW LAND SURFACE DATUM JUN 07, 1976.

LOWEST WATER LEVEL 345.12 FEET BELOW LAND SURFACE DATUM JUL 16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	325.15	V	MAR 07, 1986	323.18	V	JUL 24, 1986	343.00	V	SEP 30, 1986	324.78	V
JAN 13, 1986	322.40	T	MAY 19	313.33	V						

WELL 07N 42E 19ABA1 SITE NUMBER 435532111324101

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 4 TO 1 1/2 IN, REPORTED DEPTH 500 FT, 4-IN CASING 0-45 FT, 1 1/2-IN CASING 0-500 FT, PERFORATED 480-500 FT. LSD 5,332.98 FT NGVD OF 1929. MP NO. 1 TOP OF 4-IN CASING SOUTH SIDE, 1.51 FT ABOVE LSD (SINCE JULY 27, 1972).

RECORDS AVAILABLE 1972 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 137.04 FEET BELOW LAND SURFACE DATUM JUN 01, 1976.

LOWEST WATER LEVEL 349.37 FEET BELOW LAND SURFACE DATUM MAY 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	340.59	V	MAR 07, 1986	342.26	V	JUL 24, 1986	340.61	V	SEP 29, 1986	337.27	V
JAN 13, 1986	341.64	V	MAY 19	337.86	V						

WELL 07N 43E 12BCB1 SITE NUMBER 435402111201101

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 6 IN, REPORTED DEPTH 420 FT, CASED TO 420 FT, PERFORATED 390-420 FT. LSD 5,720.20 FT NGVD OF 1929. MP NO. 2 TOP OF 1 1/2-IN HOLE IN MONITOR WELL CAP NORTH SIDE, 1.76 FT ABOVE LSD (SINCE NOV. 23, 1983).

RECORDS AVAILABLE 1975, 1976 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 244.51 FEET BELOW LAND SURFACE DATUM JUN 13, 1976.

LOWEST WATER LEVEL 332.18 FEET BELOW LAND SURFACE DATUM APR 21, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 05, 1985	281.17	S	MAR 11, 1986	291.34	S	JUL 29, 1986	257.21	S	SEP 28, 1986	263.42	S
JAN 13, 1986	281.08	S	MAY 19	261.94	S						

WELL 07N 44E 02AAA1 SITE NUMBER 435808111131101

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 213.5 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 6,040 FT NGVD OF 1929. MP NO. 3 TOP OF CASING NORTH SIDE, 2.32 FT ABOVE LSD (SINCE JULY 14, 1980).

RECORDS AVAILABLE 1969 - 1970, 1971 - 1975, 1976 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 93.27 FEET BELOW LAND SURFACE DATUM MAR 11, 1986.

LOWEST WATER LEVEL 133.09 FEET BELOW LAND SURFACE DATUM MAR 09, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 11, 1986	93.27	S	SEP 30, 1986	108.66	S

GEM COUNTY

WELL 07N 03W 34ABD1 SITE NUMBER 435424116403701

FORMERLY SITE ID NO. 435426116403701. DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DEPTH 22.8 FT, 1 1/4-IN PIEZOMETER TUBE 0-23.1 FT, PERFORATED 18.0-21.0 FT, GRAVEL FILL 0-35 FT, CONCRETE SEAL 35-45 FT. LSD 2,267.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO DEC. 3, 1971, MADE BY US BUREAU OF RECLAMATION. MP NO. 1 TOP OF 1 1/4-IN PIPE NORTHWEST SIDE, 1.06 FT ABOVE LSD (SINCE JULY 24, 1968).

RECORDS AVAILABLE 1968 - 1971, 1972 - 1978, 1979 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.82 FEET BELOW LAND SURFACE DATUM OCT 16, 1979.

LOWEST WATER LEVEL 3.46 FEET BELOW LAND SURFACE DATUM APR 10, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	2.61	S	MAR 24, 1986	2.10	S	JUL 28, 1986	1.68	S	SEP 16, 1986	1.96	S
JAN 21, 1986	2.72	S	MAY 13	1.32	S						

WELL 07N 03W 34ABD2 SITE NUMBER 435424116403702

FORMERLY SITE ID NO. 435426116403702. DRILLED OBSERVATION ARTESIAN WELL IN IDAHO GROUP, DEPTH 54.4 FT, 3/4-IN PIEZOMETER TUBE 0-56.2 FT, PERFORATED 51.2-52.7 FT, GRAVEL FILL 45-55 FT, CONCRETE SEAL 35-45 FT, 55-70 FT. LSD 2,267.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO DEC. 3, 1971, MADE BY US BUREAU OF RECLAMATION. MP NO. 1 TOP OF 1/4-IN PIPE NORTHWEST SIDE, 1.06 FT ABOVE LSD (SINCE JULY 24, 1968).

RECORDS AVAILABLE 1968 - 1971, 1972 - 1978, 1979 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.06 FEET ABOVE LAND SURFACE DATUM AUG 27, 1970.

LOWEST WATER LEVEL 1.44 FEET BELOW LAND SURFACE DATUM MAR 14, 1977.

WATER LEVELS IN FEET ABOVE OR BELOW(-) LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	-0.63	S	MAR 24, 1986	-0.17	S	JUL 28, 1986	1.02	S	SEP 16, 1986	0.71	S
JAN 21, 1986		O	MAY 13	0.60	S						

WELL 07N 03W 34ABD3 SITE NUMBER 435424116403703

FORMERLY SITE ID NO. 435426116403703. DRILLED OBSERVATION ARTESIAN WELL IN IDAHO GROUP, DIAM 4 TO 3/4 IN, DEPTH 85.5 FT, 4-IN CASING 5.52 FT ABOVE LSD TO 1.86 FT BELOW LSD, 3/4-IN PIEZOMEYER TUBE 1.86-85.0 FT, PERFORATED 80.0-81.5 FT, GRAVEL FILL 70-85.5 FT, CONCRETE SEAL 55-70 FT. LSD 2,267.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO NOV. 10, 1971, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED APR. 17, 1969. RECORDER REMOVED MAY 28, 1971. MP NO. 2 TOP OF 4-IN CASING NORTHWEST SIDE, 5.52 FT ABOVE LSD (SINCE JULY 24, 1968).

RECORDS AVAILABLE 1968, 1969 - 1971, 1972 - 1978, 1979 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.41 FEET ABOVE LAND SURFACE DATUM MAY 20, 1976.

LOWEST WATER LEVEL 1.83 FEET ABOVE LAND SURFACE DATUM APR 12, 1970.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	0		MAY 13, 1986	3.67	S	JUL 28, 1986	4.01	S	SEP 16, 1986	4.01	S
MAR 24	3.02	S									

WELL 07N 02W 29BBA2 SITE NUMBER 435523116362601

FORMERLY SITE ID NO. 435524116362801. DRILLED OBSERVATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 301.7 FT, CASED TO 301.7 FT, OPEN BOTTOM. LSD 2,396.60 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. NOV. 10, 1971, WELL HAD FILLED IN TO A DEPTH OF 291.3 FT. MEASUREMENTS PRIOR TO NOV. 10, 1971, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED JUNE 26, 1969. RECORDER REMOVED MAY 28, 1971. MP NO. 1 TOP OF 6-IN CASING SOUTH SIDE, 0.90 FT ABOVE LSD (SINCE JUNE 26, 1969).

RECORDS AVAILABLE 1969 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 18.25 FEET BELOW LAND SURFACE DATUM SEP 16, 1986.

LOWEST WATER LEVEL 23.85 FEET BELOW LAND SURFACE DATUM JUN 26, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	19.47	S	MAR 24, 1986	21.32	S	JUL 28, 1986	19.92	S	SEP 16, 1986	18.25	S
JAN 21, 1986	20.43	S	MAY 13	21.67	S						

WELL 06N 02W 14BCA1 SITE NUMBER 435139116324901

FORMERLY SITE ID NO. 435140116325101. DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DEPTH 21.4 FT, 1 1/4-IN PIEZOMETER TUBE 0-25 FT, PERFORATED 18.0-21.0 FT, GRAVEL FILL 0-25 FT, CONCRETE SEAL 25-45 FT. LSD 2,341.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO NOV. 10, 1971, MADE BY US BUREAU OF RECLAMATION. MP NO. 2 TOP OF 1 1/4-IN PIPE WEST SIDE, 4.34 FT ABOVE LSD (SINCE APR. 25, 1969).

RECORDS AVAILABLE 1968 - 1970, 1971 - 1977, 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.25 FEET BELOW LAND SURFACE DATUM DEC 26, 1968.

LOWEST WATER LEVEL 4.58 FEET BELOW LAND SURFACE DATUM MAR 14, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	2.91	S	MAR 24, 1986	2.64	S	JUL 28, 1986	2.26	S	SEP 16, 1986	2.41	S
JAN 21, 1986	1.94	S	MAY 13	2.88	S						

WELL 06N 02W 14BCA2 SITE NUMBER 435139116324902

FORMERLY SITE ID NO. 435140116325102. DRILLED OBSERVATION ARTESIAN WELL IN IDAHO GROUP, DIAM 4 TO 3/4 IN, DEPTH 84.2 FT, 4-IN CASING 4.23 FT ABOVE LSD TO 2.05 FT BELOW LSD, 3/4-IN PIEZOMETER TUBE 2.05-84.2 FT, PERFORATED 79.5-81.0 FT, GRAVEL FILL 45-86 FT, CONCRETE SEAL 25-45 FT. LSD 2,341.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO NOV. 10, 1971, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED APR. 16, 1969. RECORDER REMOVED MAY 28, 1971. MP NO. 2 TOP OF 4-IN CASING WEST SIDE, 4.23 FT ABOVE LSD (SINCE APR. 16, 1969).

RECORDS AVAILABLE 1968, 1969 - 1970, 1971 - 1977, 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.64 FEET ABOVE LAND SURFACE DATUM AUG 23, 1968.

LOWEST WATER LEVEL 2.15 FEET BELOW LAND SURFACE DATUM FEB 26, 1981.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986		O	MAY 13, 1986	1.05	S	JUL 28, 1986	2.01	S	SEP 16, 1986	1.94	S
MAR 24	0.87	S									

WELL 06N 01W 18DAA2 SITE NUMBER 435125116293201

FORMERLY SITE ID NO. 435125116293501. DRILLED DOMESTIC WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 4 IN, DEPTH 30.9 FT, CASED TO 22 FT. LSD 2,371.90 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MEASUREMENTS PRIOR TO NOV. 9, 1971, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED OCT. 17, 1968. RECORDER REMOVED MAY 28, 1971. MP NO. 1 TOP OF 4-IN CASING NORTH SIDE, 0.26 FT ABOVE LSD (SINCE NOV. 9, 1967).

RECORDS AVAILABLE 1967, 1968 - 1970, 1971 - 1977, 1978 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.04 FEET BELOW LAND SURFACE DATUM AUG 24, 1970.

LOWEST WATER LEVEL 8.57 FEET BELOW LAND SURFACE DATUM MAR 14, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	5.27	S	MAR 24, 1986	7.17	S	JUL 28, 1986	4.42	S	SEP 16, 1986	6.69	S
JAN 21, 1986	7.53	S	MAY 13	7.16	S						

GOODING COUNTY

WELL 05S 12E 13DAB1 SITE NUMBER 425919114581201

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 418 FT, DIAM 6 IN, 6-IN CASING 0-380 FT, GRAVEL PACKED BACK TO 380 FT, LSD 3,560.51 NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF CASING CAP SOUTHWEST SIDE, 0.80 FT ABOVE LSD (SINCE MAR. 11, 1980).

RECORDS AVAILABLE 1980 - 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 349.37 FEET BELOW LAND SURFACE DATUM MAY 27, 1986.

LOWEST WATER LEVEL 352.92 FEET BELOW LAND SURFACE DATUM NOV 19, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 30, 1985	349.57	S	JAN 28, 1986	351.03	S	APR 21, 1986	352.69	S	JUL 30, 1986	349.39	V
NOV 19	352.92	S	FEB 24	349.78	S	MAY 27	349.37	S	AUG 26	349.57	V
DEC 19	350.16	S	MAR 25	349.74	S	JUN 30	349.54	S	SEP 23	349.59	S

WELL 05S 14E 12AAA1 SITE NUMBER 430040114435501

FORMERLY SITE ID NO. 430039114435701. DRILLED TEST WELL IN BANBURY FORMATION, DEPTH 2,000 FT, DIAM 13 3/8-9 5/8 IN, 13 3/8-IN CASING 0-30 FT, 9 5/8-IN CASING 30-300 FT, OPEN HOLE 300-2,000 FT. LSD ABOUT 3,609 FT NGVD OF 1929. MP NO. 2 TOP OF WEST EDGE OF STEEL COVER EAST OF PUMP COLUMN, 2.05 FT ABOVE LSD (SINCE JULY 23, 1985).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 107.14 FEET BELOW LAND SURFACE DATUM SEP 22, 1986.

LOWEST WATER LEVEL 116.23 FEET BELOW LAND SURFACE DATUM MAR 24, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	110.94	S	FEB 25, 1986	114.85	S	MAY 20, 1986	113.77	S	AUG 21, 1986	108.26	S
NOV 20	111.31	S	MAR 20	114.02	S	JUN 20	111.26	S	SEP 22	107.14	S
JAN 23, 1986	115.55	S	APR 21	114.56	S	JUL 21	109.52	S			

WELL 05S 15E 35DBD2 SITE NUMBER 425635114382302

FORMERLY SITE ID NO. 425634114382601, WELL NO. 05S 15E 35DBC2. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 IN, DEPTH 165.1 FT, CASED TO 126 FT. LSD 3,627.31 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF 5-IN CASING EAST SIDE, 1.29 FT ABOVE LSD (SINCE JUNE 6, 1972).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 120.84 FEET BELOW LAND SURFACE DATUM SEP 22, 1972.

LOWEST WATER LEVEL 150.39 FEET BELOW LAND SURFACE DATUM JUL 29, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	127.36	S	JAN 23, 1986	132.63	S	APR 21, 1986	132.58 S	S	JUL 21, 1986	127.50 R	S
NOV 20	128.85	S	FEB 25	134.07	S	MAY 20	131.50	S	AUG 21	125.51	S
DEC 20	129.30	S	MAR 20	133.49	S	JUN 20	129.49	S	SEP 22	123.29	S

WELL 06S 13E 16AAD1 SITE NUMBER 425425114543501

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 313 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,280 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL, 1.60 FT ABOVE LSD (SINCE FEB. 16, 1967).

RECORDS AVAILABLE 1967 - 1968, 1969 - 1971, 1977, 1978, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 158.20 FEET BELOW LAND SURFACE DATUM SEP 22, 1967.

LOWEST WATER LEVEL 165.42 FEET BELOW LAND SURFACE DATUM MAR 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 30, 1985	159.37	S	JAN 28, 1986	159.27	S	APR 21, 1986	159.81	S	JUL 28, 1986	159.33	S
NOV 18	158.72	S	FEB 24	159.33	S	MAY 27	159.55	S	AUG 25	159.25	S
DEC 19	159.18	S	MAR 25	159.61	S	JUN 30	159.22	S	SEP 23	158.88	S

WELL 07S 14E 33BBB1 SITE NUMBER 424653114494601

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, REPORTED DEPTH 180 FT, CASED TO 20 FT. LSD ABOUT 3,271 FT NGVD OF 1929. MP NO. 1 TOP 1 1/2-IN HOLE IN WELL CAP WEST SIDE, 1.40 FT ABOVE LSD (SINCE AUG. 6, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 99.45 FEET BELOW LAND SURFACE DATUM OCT 09, 1985.

LOWEST WATER LEVEL 103.61 FEET BELOW LAND SURFACE DATUM MAR 06, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09, 1985	99.45 S	JAN 07, 1986	102.31 S	MAY 20, 1986	102.83 S	AUG 12, 1986	100.49 S
NOV 22	100.16 S	FEB 25	103.28 S	JUN 24	102.09 S	SEP 16	99.53 S
DEC 18	101.54 S	MAR 06	103.61 S	JUL 25	101.70 S		

WELL 08S 14E 12CBC1 SITE NUMBER 424439114461201

FORMERLY SITE ID NO. 424440114461301. DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6.25 IN, DEPTH 86 FT, CASED TO 7 FT. LSD ABOUT 3,272 FT NGVD OF 1929. MP NO. 1 HOLE IN CONCRETE COVER AT TOP OF CASING NORTH SIDE, 1.00 FT BELOW LSD (SINCE APR. 18, 1974).

RECORDS AVAILABLE 1974, 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 61.18 FEET BELOW LAND SURFACE DATUM OCT 09, 1985.

LOWEST WATER LEVEL 72.92 FEET BELOW LAND SURFACE DATUM JUN 12, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09, 1985	61.18 S	JAN 07, 1986	64.57 P S	MAY 20, 1986	67.38 R S	AUG 12, 1986	66.37 P S
NOV 22	62.03 S	FEB 25	65.96 P S	JUN 24	66.55 S	SEP 16	61.73 S
DEC 18	63.63 S	MAR 06	66.14 P S	JUL 25	65.06 S		

WELL 08S 14E 16CBB1 SITE NUMBER 424353114494701

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 53.0 FT, GALVANIZED IRON CASING TO BASALT BEDROCK. SEPT. 1957, WELL WAS CASED TO 50 FT WITH 5-IN ALUMINUM PIPE. LSD 3,175.27 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED OCT. 6, 1954. RECORDER REMOVED AUG. 10, 1971. DIGITAL RECORDER INSTALLED JULY 19, 1977. MP NO. 3 TOP OF 5-IN ALUMINUM CASING FLANGE WEST SIDE, 1.00 FT ABOVE LSD (SINCE SEPT. 11, 1957).

RECORDS AVAILABLE 1951 - 1953, 1954 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 36.50 FEET BELOW LAND SURFACE DATUM SEP 22, 1953.

LOWEST WATER LEVEL 40.71 FEET BELOW LAND SURFACE DATUM MAY 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	38.51	JAN 10, 1986	39.28	APR 15, 1986	39.81	JUL 20, 1986	39.60
10	38.44	15	39.30	20	39.94	25	39.44
15	38.47	20	39.34	25	39.99	31	39.39
20	38.47	25	39.43	30	40.02	AUG 05	39.38
25	38.46	31	39.44	MAY 05	40.13	10	39.25
31	38.47	FEB 05	39.46	10	40.06	15	39.16
NOV 05	38.51	10	39.51	15	40.04	20	39.14
10	38.49	15	39.50	20	40.04	25	39.04
15	38.62	20	39.49	25	40.01	31	38.86
20	38.65	25	39.56	31	40.08	SEP 05	38.80
25	38.70	28	39.57	JUN 05	39.98	10	38.60
30	38.74	MAR 05	39.60	10	39.66	15	38.54
DEC 05	38.85	10	39.54	15	39.78	20	38.47
10	38.90	15	39.60	20	39.83	24	38.35
15	38.98	20	39.68	25	39.91	25	38.35
20	39.03	25	39.70	30	39.80	30	38.38
25	39.03	31	39.79	JUL 05	39.73		
31	39.03	APR 05	39.77	10	39.70		
JAN 05, 1986	39.16	10	39.87	15	39.59		

WELL 08S 15E 32CBB1 SITE NUMBER 424118114435501

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 3,308 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/2-IN HOLE IN WELL CAP NORTH SIDE, 1.20 FT ABOVE LSD (SINCE AUG. 9, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 64.56 FEET BELOW LAND SURFACE DATUM SEP 16, 1986.

LOWEST WATER LEVEL 71.62 FEET BELOW LAND SURFACE DATUM MAY 20, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	67.95	S	DEC 18, 1985	66.38	S	MAR 06, 1986	70.78	P S	JUL 25, 1986	68.84	S
NOV 09	67.13	S	JAN 07, 1986	67.58	S	MAY 20	71.62	S	AUG 12	67.62	S
22	64.72	S	FEB 25	69.26	S	JUN 24	70.73	P S	SEP 16	64.56	S

WELL 08S 16E 18AAA1 SITE NUMBER 424414114370201

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 197 FT, CASED TO 6 FT. LSD 3,516.30 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 7/8-IN HOLE IN WELL SEAL WEST SIDE, 0.80 FT ABOVE LSD (SINCE SEPT. 23, 1971).

RECORDS AVAILABLE 1951 - 1954, 1956 - 1968, 1969 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 149.32 FEET BELOW LAND SURFACE DATUM OCT 22, 1952.

LOWEST WATER LEVEL 175.36 FEET BELOW LAND SURFACE DATUM MAR 17, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 17, 1986	175.36	V	JUL 25, 1986	166.22	P V	SEP 16, 1986	161.55	V

WELL 09S 14E 03BAA1 SITE NUMBER 424053114480301

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 99.0 FT, CASED TO BEDROCK. LSD 3,203.24 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MAR. 24, 1972, WELL HAD FILLED IN TO A DEPTH OF 93.5 FT. MP NO. 2 TOP OF CASING, 0.70 FT ABOVE LSD (SINCE OCT. 18, 1951).

RECORDS AVAILABLE 1929, 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.68 FEET BELOW LAND SURFACE DATUM OCT 16, 1956.

LOWEST WATER LEVEL 75.39 FEET BELOW LAND SURFACE DATUM MAY 19, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 07, 1986	73.55	S	MAY 20, 1986	74.70	S	JUL 25, 1986	74.05	S	SEP 16, 1986	72.58	S
MAR 06	74.03	S									

WELL 09S 16E 07DCA1 SITE NUMBER 423920114371501

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 128.0 FT, CASED TO 32 FT. LSD 3,447.50 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 1/2-IN HOLE IN WELL SEAL, 4.56 FT BELOW LSD (SINCE JULY 19, 1971).

RECORDS AVAILABLE 1949 TO CURRENT YEAR.

HIGHEST WATER LEVEL 88.25 FEET BELOW LAND SURFACE DATUM SEP 30, 1982.

LOWEST WATER LEVEL 116.03 FEET BELOW LAND SURFACE DATUM MAY 14, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 22, 1985	106.32	S	MAR 17, 1986	111.66	S	JUL 25, 1986	94.47	S	SEP 16, 1986	94.38	V
JAN 07, 1986	110.61	S	MAY 19	107.98	S						

WELL 08N 34E 17CCC3 SITE NUMBER 440058112293601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 440 FT, CASED TO 510 FT, PERFORATED 340-350 FT, PLUGGED BACK WITH CONCRETE SEAL 440-462 FT. LSD 4,808.92 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 3/4-IN PIPE EAST SIDE, 3.76 FT ABOVE LSD (SINCE FEB. 10, 1970).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 38.77 FEET BELOW LAND SURFACE DATUM MAR 23, 1987.

LOWEST WATER LEVEL 67.60 FEET BELOW LAND SURFACE DATUM AUG 06, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	43.16	S	MAR 10, 1986	39.01	S	JUL 16, 1986	57.45	S	SEP 10, 1986	51.72	S
JAN 07, 1986	40.58	S	MAY 14	39.23	S						

WELL 08N 34E 17CCC4 SITE NUMBER 440058112293602

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 545 FT, 1-IN PIEZOMETER TUBE 0-519 FT, PERFORATED 511.5-516.5 FT, 6-IN CASING 0-510 FT, GRAVEL FILL 462-545 FT, CONCRETE SEAL 440-462 FT, 545-562 FT. LSD 4,808.92 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 1-IN PIPE EAST SIDE, 3.43 FT ABOVE LSD (SINCE FEB. 10, 1970).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.82 FEET BELOW LAND SURFACE DATUM DEC 02, 1969.

LOWEST WATER LEVEL 60.69 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	47.99	S	MAR 10, 1986	42.09	S	JUL 15, 1986	47.66	S	SEP 10, 1986	52.55	S
JAN 07, 1986	44.39	S	MAY 14	40.64	S						

WELL 08N 34E 17CCC5 SITE NUMBER 440058112293603

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 888 FT, 3/4-IN PIEZOMETER TUBE 0-610 FT, PERFORATED 602.5-607.5 FT, GRAVEL FILL 562-888 FT, CONCRETE SEAL 545-562 FT, 888-914 FT. LSD 4,808.92 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 3/4-IN PIPE EAST SIDE, 3.27 FT ABOVE LSD (SINCE FEB. 10, 1970).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 161.88 FEET BELOW LAND SURFACE DATUM MAR 23, 1987.

LOWEST WATER LEVEL 176.54 FEET BELOW LAND SURFACE DATUM AUG 06, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	165.33	S	MAR 10, 1986	162.51	S	JUL 15, 1986	171.33	S	SEP 10, 1986	167.48	S
JAN 07, 1986	164.05	S	MAY 14	163.54	S						

WELL 08N 34E 17CCC6 SITE NUMBER 440058112293604

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 1,006.5 FT, 3/4-IN PIEZOMETER TUBE 0-930 FT, PERFORATED 922.5-927.5 FT, GRAVEL FILL 914-1,006.5 FT, CONCRETE SEAL 888-914 FT. LSD 4,808.92 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 3/4-IN PIPE EAST SIDE, 2.97 FT ABOVE LSD (SINCE FEB. 10, 1970).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 218.36 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 227.05 FEET BELOW LAND SURFACE DATUM SEP 08, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	221.01	S	MAR 10, 1986	218.83	S	JUL 15, 1986	220.33	S	SEP 10, 1986	220.31	S
JAN 07, 1986	220.11	S	MAY 14	218.36	S						

WELL 08N 34E 17CCC7 SITE NUMBER 440058112293605

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 47.6 FT, CASED TO 47.5 FT, PERFORATED 40-47 FT. LSD 4,808.92 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 0.90 FT ABOVE LSD (SINCE JUNE 24, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 18.86 FEET BELOW LAND SURFACE DATUM MAY 10, 1985.

LOWEST WATER LEVEL 40.29 FEET BELOW LAND SURFACE DATUM SEP 23, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	24.30	S	MAR 10, 1986	20.57	S	JUL 15, 1986	29.02	S	SEP 10, 1986	29.73	S
JAN 07, 1986	22.77	S	MAY 14	20.75	S						

WELL 07N 33E 35BCC1 SITE NUMBER 435332112331801

FORMERLY SITE ID NO. 435336112331801, WELL NO. 07N 33E 35BBC1. BORED OBSERVATION WATER-TABLE WELL IN SANDY SILT OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 54.5 FT, CASED 54.5 FT, SANDPOINT 52.4-54.5 FT. LSD ABOUT 4,784 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE WEST SIDE, 1.80 FT ABOVE LSD (SINCE MAY 26, 1967).

RECORDS AVAILABLE 1967 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 13.81 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 30.72 FEET BELOW LAND SURFACE DATUM MAY 15, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 10, 1986	26.24	S	SEP 10, 1986	13.81	S

WELL 07N 34E 04CDC1 SITE NUMBER 435728112281101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 57.3 FT, CASED TO 41 FT. LSD 4,791.76 FT NGVD OF 1929. OCT. 4, 1972, WELL HAD FILLED IN TO A DEPTH OF 51.2 FT. RECORDER INSTALLED FEB. 13, 1957. RECORDER REMOVED AUG. 19, 1971. MP NO. 2 TOP OF HOLE IN CASING COVER, 2.02 FT ABOVE LSD (SINCE SEPT. 10, 1975).

RECORDS AVAILABLE 1956, 1957 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.09 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.

LOWEST WATER LEVEL 30.50 FEET BELOW LAND SURFACE DATUM AUG 13, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	7.30	S	MAR 10, 1986	3.02	S	JUL 15, 1986	17.64	S	SEP 10, 1986	12.05	S
JAN 07, 1986	5.19	S	MAY 14	4.58	S						

WELL 07N 35E 13AAD1 SITE NUMBER 435626112164301

FORMERLY SITE ID NO. 435615112164201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 14 IN, REPORTED DEPTH 515 FT, CASED TO 14 FT, 1-IN PIEZOMETE TUBE 0-330 FT, PERFORATED 322.5-327.5 FT, GRAVEL FILL 0-515 FT, CONCRETE SEAL 515-592 FT. LSD 4,789.50 FT NGVD OF 1929. MP NO. 2 TOP OF 1-IN PIPE SOUTHWEST SIDE, 1.24 FT ABOVE LSD (SINCE JUNE 28, 1980).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.25 FEET ABOVE LAND SURFACE DATUM OCT 22, 1969.

LOWEST WATER LEVEL 9.15 FEET BELOW LAND SURFACE DATUM SEP 09, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	2.11	S	MAR 12, 1986	1.40	S	JUL 14, 1986	3.92	S	SEP 08, 1986	3.84	S
JAN 06, 1986	1.86	S	MAY 14	1.13	S						

WELL 07N 35E 13AAD2 SITE NUMBER 435626112164302

FORMERLY SITE ID NO. 435615112164202. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 760 FT, 3/4-IN PIEZOMETER TUBE 0-645 FT, PERFORATED 637.5-642.5 FT, GRAVEL FILL 592-760 FT, CONCRETE SEAL 515-592 FT, 760-794 FT. LSD 4,789.50 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE SOUTHWEST SIDE, 1.31 FT ABOVE LSD (SINCE JUNE 28, 1980).

RECORDS AVAILABLE 1969 - 1976, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.82 FEET ABOVE LAND SURFACE DATUM OCT 22, 1969.

LOWEST WATER LEVEL 7.24 FEET BELOW LAND SURFACE DATUM NOV 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	2.36	S	MAR 12, 1986	1.95	S	JUL 14, 1986	1.77	S	SEP 08, 1986	2.27	S
JAN 06, 1986	2.30	S	MAY 14	1.77	S						

WELL 07N 35E 13AAD4 SITE NUMBER 435626112164304

FORMERLY SITE ID NO. 435615112164204. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 1,000.7 FT, 3/4-IN PIEZOMETER TUBE 0-870 FT, PERFORATED 862.5-867.5 FT, GRAVEL FILL 840-1,000.7 FT, CONCRETE SEAL 827-840 FT. LSD 4,789.50 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE SOUTHWEST SIDE, 1.14 FT ABOVE LSD (SINCE JUNE 28, 1980).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.96 FEET ABOVE LAND SURFACE DATUM DEC 01, 1972.

LOWEST WATER LEVEL 2.99 FEET BELOW LAND SURFACE DATUM AUG 30, 1979.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	1.14		JUL 14, 1986	1.14	E	SEP 22, 1986	1.65	S

WELL 07N 35E 20CBD1 SITE NUMBER 435504112222301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 58.1 FT, CASED TO 45 FT. LSD 4,818.15 FT NGVD OF 1929. MAY 15, 1967, WELL DEEPENED AND RECASED, DIAM 12 IN, DEPTH 65.9 FT, CASED TO 66 FT, PERFORATED 55-65 FT. RECORDER INSTALLED SEPT. 5, 1955. RECORDER CHANGED TO DIGITAL APR. 2, 1973. LOWEST WATER LEVELS RECORDED WERE DRY AT 57.95 FT SEPT. 9-17, 1961, BEFORE WELL WAS DEEPENED TO A DEPTH OF 65.9 FT. MP NO. 4 TOP OF 12-IN CASING NORTHEAST SIDE, 2.00 FT ABOVE LSD (SINCE MAY 16, 1967).

RECORDS AVAILABLE 1954, 1955 TO CURRENT YEAR.

HIGHEST WATER LEVEL 29.23 FEET BELOW LAND SURFACE DATUM MAY 03, 1985.

LOWEST WATER LEVEL 59.28 FEET BELOW LAND SURFACE DATUM OCT 12, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 01, 1985	38.83	DEC 25, 1985	33.59	MAR 15, 1986	30.93	MAY 31, 1986	30.57	
05	38.33	31	33.30	20	30.94	JUN 05	30.82	
10	37.97	JAN 05, 1986	33.08	25	30.81	10	31.21	
15	37.63	10	32.96	31	30.75	15	31.50	
20	37.22	15	32.67	APR 05	30.60	20	32.03	
25	36.89	20	32.49	10	30.49	25	32.42	
31	36.16	25	32.51	15	30.42	30	32.89	
NOV 05	35.66	31	32.16	20	30.42	JUL 05	33.29	
08	35.29	FEB 05	31.99	25	30.25	10	33.68	
20	35.23	10	31.85	30	30.32	AUG 11	36.34	S
25	34.93	15	31.63	MAY 05	30.23	SEP 10	37.10	
30	34.74	20	31.51	10	30.09	15	36.99	
DEC 05	34.51	25	31.40	13	30.05	20	36.95	
10	34.25	28	31.30	15	30.17	25	36.80	
15	34.04	MAR 05	31.20	20	30.16	30	36.78	
20	33.81	10	30.98	25	30.34			

WELL 07N 36E 22ABD4 SITE NUMBER 435528112121201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 24.5 FT, CASED TO 18 FT. LSD 4,791.73 FT NGVD OF 1929. RECORDER INSTALLED FEB. 12, 1957. RECORDER REMOVED AUG. 19, 1971. DIGITAL RECORDER INSTALLED JULY 9, 1977. RECORDER REMOVED SEPT. 15, 1977. MP NO. 4 TOP OF CASING COVER NORTHEAST SIDE, 2.02 FT ABOVE LSD (SINCE DEC. 13, 1977).

RECORDS AVAILABLE 1955 - 1956, 1957 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.98 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.

LOWEST WATER LEVEL 10.06 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 11, 1986	2.91	S	SEP 08, 1986	4.88	S

WELL 07N 37E 05BCC1 SITE NUMBER 435751112081001

FORMERLY SITE ID NO. 435752112080901, WELL NO. 07N 37E 05CB1. DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 135 FT, CASED TO 65 FT. LSD 4,908.82 FT NGVD OF 1929. MP NO. 3 TOP OF CONCRETE SUPPORT NORTHEAST SIDE, 2.40 FT ABOVE LSD (SINCE APR. 2, 1980).

RECORDS AVAILABLE 1957 - 1959, 1966, 1980, 1981 - 1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 114.42 FEET BELOW LAND SURFACE DATUM APR 28, 1986.

LOWEST WATER LEVEL 121.73 FEET BELOW LAND SURFACE DATUM SEP 30, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 12, 1986	114.60	S	MAY 14, 1986	114.45	S	JUL 17, 1986	116.89	S	SEP 08, 1986	116.31	S
APR 28	114.42	S	JUN 16	115.30	S	AUG 12	117.14	S			

WELL 07N 37E 28CCD1 SITE NUMBER 435402112065001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 135.0 FT, CASED TO 103 FT. LSD 4,848.92 FT NGVD OF 1929. MP NO. 2 TOP OF 1 1/4-IN PIPE COUPLING IN WELL SEAL, 0.70 FT ABOVE LSD (SINCE JUNE 13, 1978).

RECORDS AVAILABLE 1960 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 59.98 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.

LOWEST WATER LEVEL 66.69 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 11, 1986	60.70	S	SEP 08, 1986	62.08	S

WELL 06N 32E 11ABA1 SITE NUMBER 435212112394001

FORMERLY SITE ID NO. 435215112394201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 266.5 FT, CASED TO 266 FT, PERFORATED 232-266 FT, CEMENTED BOTTOM. LSD 4,789.79 FT NGVD OF 1929. RECORDER INSTALLED NOV. 22, 1952. RECORDER REMOVED OCT. 13, 1954. MP NO. 2 TOP OF NORTHEAST SIDE 6 1/4-IN CASING AT PAINTED SPOT, 1.87 FT ABOVE LSD (SINCE NOV. 10, 1952).

RECORDS AVAILABLE 1952 - 1954, 1955 - 1960, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 202.69 FEET BELOW LAND SURFACE DATUM MAY 07, 1986.

LOWEST WATER LEVEL 211.08 FEET BELOW LAND SURFACE DATUM AUG 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	205.35	S	NOV 25, 1985	204.80	S	FEB 03, 1986	203.93	S	MAY 07, 1986	202.69	S

WELL 06N 32E 26CDB1 SITE NUMBER 434856112400001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 321.8 FT, CASED TO 321.8 FT, PERFORATED 236.6-313.8, GRAVEL PACKED 207-318.8 FT, CONCRETE SEAL 201-207 FT, 318.8-321.8 FT. LSD 4,787.92 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF THREADED 8-IN CASING NORTHEAST SIDE, 2.00 FT ABOVE LSD (SINCE AUG. 1, 1956).

RECORDS AVAILABLE 1956 - 1959, 1960 - 1961, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 216.05 FEET BELOW LAND SURFACE DATUM MAY 07, 1986.

LOWEST WATER LEVEL 223.73 FEET BELOW LAND SURFACE DATUM OCT 31, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	218.38	S	FEB 03, 1986	217.23	S	MAY 07, 1986	216.05	S	JUL 26, 1986	216.50	S
DEC 06	218.03	S	MAR 25	216.20	S						

WELL 06N 33E 26DDB1 SITE NUMBER 434851112321801

FORMERLY SITE ID NO. 434854112322101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 312 FT, CASED TO 312 FT, PERFORATED 250-260, 298-308 FT, CEMENTED BOTTOM. LSD 4,784.32 FT NGVD OF 1929. RECORDER INSTALLED JUNE 13, 1953. RECORDER REMOVED APR. 23, 1956. RECORDER INSTALLED JUNE 2, 1981. MP NO. 2 TOP OF THREADED 6 1/4-IN CASING NORTHEAST SIDE, 2.00 FT ABOVE LSD (SINCE FEB. 12, 1953).

RECORDS AVAILABLE 1952, 1953 - 1956, 1957 - 1973, 1974 - 1980, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 219.11 FEET BELOW LAND SURFACE DATUM MAY 13, 1986.

LOWEST WATER LEVEL 226.63 FEET BELOW LAND SURFACE DATUM SEP 14, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04, 1985	222.58	JAN 05, 1986	220.68	APR 10, 1986	219.72	JUL 10, 1986	220.99
05	222.20	10	220.83	15	219.63	15	221.06
10	222.23	15	220.41	20	219.76	20	221.40
15	222.15	20	220.30	25	219.34	25	221.63
20	221.98	25	220.81	30	219.67	31	221.71
25	221.92	31	220.30	MAY 05	219.59	AUG 05	221.69
31	221.73	FEB 05	220.16	10	219.23	10	221.79
NOV 05	221.81	10	220.12	13	219.11	15	221.72
10	221.62	15	219.71	15	219.33	20	221.97
15	221.84	20	220.09	20	219.31	25	221.94
20	221.46	25	220.16	25	219.47	31	221.92
25	221.07	28	220.04	31	219.72	SEP 05	222.00
30	221.29	MAR 05	220.06	JUN 05	219.73	10	221.99
DEC 05	221.29	10	219.69	10	220.15	15	221.94
10	221.18	15	219.88	15	219.92	20	221.89
15	221.18	20	220.16	20	220.17	25	221.52
20	221.12	25	219.99	25	220.30	30	221.60
25	221.05	31	220.07	30	220.67		
31	220.85	APR 05	219.84	JUL 05	221.04		

WELL 06N 35E 21AAB1 SITE NUMBER 435028112202601

DRILLED IRRIGATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 16 TO 14 IN, DEPTH 275.5 FT, 16-IN CASING 0-95 FT, 14-IN CASING 135-205 FT. LSD 4,784.50 FT NGVD OF 1929. MAY 15, 1967, WELL WAS RECONDITIONED. MP NO. 5 TOP OF HOLE INSIDE PUMP BASE NORTH SIDE, 1.73 FT ABOVE LSD (SINCE JULY 14, 1967).

RECORDS AVAILABLE 1949 - 1951, 1952 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 90.39 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 113.83 FEET BELOW LAND SURFACE DATUM JUL 23, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 11, 1986	97.13	S	SEP 10, 1986	90.39	S

WELL 06N 35E 27DDA1 SITE NUMBER 434857112185801

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, REPORTED DEPTH 260 FT, CASED TO 8 FT. LSD 4,798.23 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 4 TOP OF 1-IN AIRLINE HOLE IN PUMPBASE WEST SIDE, 1.00 FT ABOVE LSD (SINCE SEPT. 16, 1963).

RECORDS AVAILABLE 1957 - 1964, 1965 TO CURRENT YEAR.

HIGHEST WATER LEVEL 230.13 FEET BELOW LAND SURFACE DATUM MAR 21, 1973.

LOWEST WATER LEVEL 241.13 FEET BELOW LAND SURFACE DATUM SEP 08, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 11, 1986	230.56	S	SEP 10, 1986	235.08	S V

WELL 06N 35E 32DDD1 SITE NUMBER 434756112212101

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 290 FT, CASED TO 165 FT. LSD 4,789.00 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 4 TOP OF 3/8-IN ACCESS HOLE IN WELL SEAL NORTH SIDE, 3.60 FT BELOW LSD (SINCE JUNE 3, 1986).

RECORDS AVAILABLE 1955, 1957 - 1958, 1968, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 239.39 FEET BELOW LAND SURFACE DATUM JAN 04, 1958.

LOWEST WATER LEVEL 252.79 FEET BELOW LAND SURFACE DATUM DEC 03, 1957.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 03, 1986	241.63	S	JUL 15, 1986	244.69	S	AUG 13, 1986	245.50	S	SEP 10, 1986	244.75	S

WELL 06N 36E 11ABA1 SITE NUMBER 435208112105101

FORMERLY SITE ID NO. 435208112105501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 245 FT, 3/4-IN PIEZOMETER TUBE 0-126 FT, PERFORATED 118.5-123.5 FT, GRAVEL FILL 0-245 FT, CONCRETE SEAL 245-260 FT. LSD 4,817.90 FT NGVD OF 1929. MP NO. 2 TOP OF HOLE IN CASING COVER SOUTH SIDE, 1.41 FT ABOVE LSD (SINCE MAY 20, 1982).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 68.50 FEET BELOW LAND SURFACE DATUM JUL 10, 1975.

LOWEST WATER LEVEL 74.25 FEET BELOW LAND SURFACE DATUM JUL 29, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	70.55	S	MAR 11, 1986	70.29	S	JUL 14, 1986	71.33	S	SEP 09, 1986	71.13	S
JAN 06, 1986	70.48	S	MAY 13	70.16	S						

WELL 06N 36E 11ABA3 SITE NUMBER 435208112105103

FORMERLY SITE ID NO. 435208112105503. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 915 FT, 3/4-IN PIEZOMETER TUBE 0-661 FT, PERFORATED 653.5-658.5 FT, GRAVEL FILL 630-915 FT, CONCRETE SEAL 615-630 FT, 915-927 FT. LSD 4,817.90 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.70 ABOVE LSD (SINCE OCT. 24, 1969).

RECORDS AVAILABLE 1969 - 1979, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 32.18 FEET BELOW LAND SURFACE DATUM JAN 23, 1985.

LOWEST WATER LEVEL 39.60 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	33.44	S	MAR 11, 1986	33.00	S	JUL 14, 1986	34.89	S	SEP 09, 1986	34.62	S
JAN 06, 1986	33.28	S	MAY 13	32.77	S						

WELL 06N 36E 11ABA4 SITE NUMBER 435208112105104

FORMERLY SITE ID NO. 435208112105504. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 1,002.2 FT, 3/4-IN PIEZOMETER TUBE 0-971 FT, PERFORATED 962.5-967.5 FT, GRAVEL FILL 927-1,002.2 FT, CONCRETE SEAL 915-927 FT. LSD 4,817.90 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.62 FT ABOVE LSD (SINCE OCT. 24, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.10 FEET BELOW LAND SURFACE DATUM NOV 15, 1969.

LOWEST WATER LEVEL 57.18 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	53.38	S	MAR 11, 1986	52.91	S	JUL 14, 1986	54.33	S	SEP 09, 1986	54.08	S
JAN 06, 1986	53.19	S	MAY 13	52.70	S						

WELL 06N 36E 27BAA1 SITE NUMBER 434933112122701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 227.5 FT, CASED TO 8 FT. LSD 4,884.31 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 8-IN CASING NORTH SIDE, 1.00 FT ABOVE LSD (SINCE JULY 19, 1968).

RECORDS AVAILABLE 1960 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 175.71 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.

LOWEST WATER LEVEL 186.58 FEET BELOW LAND SURFACE DATUM SEP 19, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	181.27	S	MAR 11, 1986	180.94	S	JUL 15, 1986	182.26	S	SEP 09, 1986	182.14	S
JAN 06, 1986	181.10	S	MAY 15	180.66	S						

WELL 06N 37E 29ACA1 SITE NUMBER 434922112072201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, REPORTED DEPTH 62 FT, CASED TO 21 FT, CLAY SEAL 62-90 FT. LSD 4,823.62 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN 16-IN CASING COVER EAST SIDE, 0.60 FT ABOVE LSD (SINCE JUN. 10, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 41.30 FEET BELOW LAND SURFACE DATUM MAY 09, 1985.

LOWEST WATER LEVEL 46.31 FEET BELOW LAND SURFACE DATUM MAR 08, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	42.37	S	MAR 10, 1986	41.78	S	JUL 14, 1986	41.43	S	SEP 09, 1986	42.27	S
JAN 06, 1986	42.18	S	MAY 13	41.42	S						

WELL 06N 37E 29ACA2 SITE NUMBER 434922112072202

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, REPORTED DEPTH 175 FT, CASED TO 151.5 FT. LSD 4,823.62 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN 12-IN CASING COVER NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN. 10, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 44.96 FEET BELOW LAND SURFACE DATUM MAY 09, 1985.

LOWEST WATER LEVEL 49.60 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	46.10	S	MAR 10, 1986	45.52	S	JUL 14, 1986	45.39	S	SEP 09, 1986	46.15	S
JAN 06, 1986	45.90	S	MAY 13	45.15	S						

WELL 06N 37E 29ACA4 SITE NUMBER 434922112072204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 573 FT, CASED TO 505 FT. LSD 4,823.62 FT NGVD OF 1929. RECORDER INSTALLED JUNE 18, 1969. RECORDER REMOVED MAY 21, 1982. MP NO. 1 TOP OF 6-IN CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN. 10, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 35.82 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.

LOWEST WATER LEVEL 43.24 FEET BELOW LAND SURFACE DATUM AUG 07, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	36.97	S	MAR 10, 1986	36.62	S	JUL 14, 1986	38.27	S	SEP 09, 1986	38.08	S
JAN 06, 1986	36.84	S	MAY 13	36.43	S						

WELL 06N 38E 30BAD2 SITE NUMBER 434924112013801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 308 FT, CASED TO 308 FT, PERFORATED 260-270 FT, CONCRETE SEAL 308-355 FT. LSD 4,874.35 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 3/4-IN PIPE, 0.98 FT ABOVE LSD (SINCE AUG. 28, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 88.15 FEET BELOW LAND SURFACE DATUM SEP 28, 1976.

LOWEST WATER LEVEL 92.32 FEET BELOW LAND SURFACE DATUM NOV 17, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 10, 1986	88.70	S	SEP 09, 1986	88.94	S

WELL 06N 38E 30BAD3 SITE NUMBER 434924112013802

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 543.5 FT, 3/4-IN PIEZOMETER TUBE 0-450 FT, PERFORATED 442.5-447.5 FT, GRAVEL FILL 430-543.5 FT, CONCRETE SEAL 392-430 FT, 543.5-575 FT. LSD 4,874.35 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 2 TOP OF 3/4-IN PIPE, 0.76 FT ABOVE LSD (SINCE JULY 7, 1978).

RECORDS AVAILABLE 1967 - 1969, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 82.50 FEET BELOW LAND SURFACE DATUM SEP 26, 1984.

LOWEST WATER LEVEL 88.38 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 10, 1986	83.30	S	SEP 09, 1986	83.73	S

WELL 06N 38E 30BAD4 SITE NUMBER 434924112013803

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 638 FT, 3/4-IN PIEZOMETER TUBE 0-595 FT, PERFORATED 587.5-592.5 FT, GRAVEL FILL 575-600 FT, SAND 600-638 FT, CONCRETE SEAL 543.5-575 FT. LSD 4,874.35 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MP NO. 1 TOP OF 3/4-IN PIPE, 1.44 FT ABOVE LSD (SINCE AUG. 28, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 65.71 FEET BELOW LAND SURFACE DATUM AUG 28, 1967.

LOWEST WATER LEVEL 90.69 FEET BELOW LAND SURFACE DATUM OCT 08, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 10, 1986	89.34	S	SEP 09, 1986	88.99	S

WELL 05N 32E 36ADD1 SITE NUMBER 434307112382601

FORMERLY SITE ID NO. 434311112383001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 405.5 FT, 6-IN CASING 0-357 FT, 5-IN CASING 351-405 FT, PERFORATED 360-400 FT, OPEN BOTTOM. LSD 4,839.44 FT NGVD OF 1929. RECORDER INSTALLED NOV. 15, 1952. RECORDER REMOVED OCT. 14, 1954. RECORDER INSTALLED MAY 10, 1962. MP NO. 2 TOP OF 6 1/4-IN CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN. 26, 1961).

RECORDS AVAILABLE 1952 - 1954, 1955 - 1961, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 324.56 FEET BELOW LAND SURFACE DATUM MAR 02, 1974.

LOWEST WATER LEVEL 334.35 FEET BELOW LAND SURFACE DATUM OCT 18, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 04, 1985	328.84		DEC 31, 1985	327.06		MAR 31, 1986	326.42		JUN 20, 1986	326.49
05	328.55		JAN 05, 1986	326.91		APR 05	326.24		25	326.54
10	328.51		10	327.15		10	326.23		30	326.65
15	328.51		15	326.43		15	326.22		JUL 05	326.82
20	328.22		FEB 03	326.22	S	20	326.51		10	326.85
NOV 05	328.08		05	326.24		25	325.95		15	326.87
10	327.71		10	326.21		30	326.44		20	327.28
15	328.19		15	325.77		MAY 04	325.97		25	327.33
20	327.75		20	326.12		07	326.09	S	31	327.55
25	327.15		25	326.53		10	325.99		AUG 05	327.55
29	327.02		28	326.43		15	326.28		10	327.72
DEC 04	327.93		MAR 05	326.37		20	326.19		15	327.73
05	327.71		08	325.53		25	326.53		20	328.10
10	327.49		10	325.80		31	326.35		25	328.02
15	327.62		15	326.10		JUN 05	326.22		27	328.20
20	327.55		20	326.63		10	326.63			
25	327.40		25	326.39		15	326.36			

WELL 05N 33E 13BDC1 SITE NUMBER 434601112315401

FORMERLY SITE ID NO. 434604112315701. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 359.4 FT, CASED TO 360 FT, PERFORATED 276-290 FT, 300-317 FT. LSD 4,794.58 FT NGVD OF 1929. MAY 1953, WELL WAS DEEPENED TO A DEPTH OF 405 FT. DEC. 5, 1969, WELL WAS PLUGGED BACK WITH CONCRETE SEAL TO 326.0 FT. MP NO. 3 TOP 8-IN THREADED CASING, 1.80 FT ABOVE LSD (SINCE MAY 14, 1953).

RECORDS AVAILABLE 1953, 1954 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 259.39 FEET BELOW LAND SURFACE DATUM MAY 22, 1985.

LOWEST WATER LEVEL 272.02 FEET BELOW LAND SURFACE DATUM AUG 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	264.65	S	DEC 06, 1985	264.17	S	FEB 03, 1986	262.99	S	MAY 07, 1986	259.76	S

WELL 05N 33E 13BDC2 SITE NUMBER 434601112315402

FORMERLY SITE ID NO. 434604112315702. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 493 FT, 3/4-IN PIEZOMETER TUBE 0-400.0 FT, PERFORATED 392.5-397.5 FT, GRAVEL FILL 370-493 FT, CONCRETE SEAL 326-353 FT, 493-540 FT. LSD 4,794.56 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN CASING, 1.80 FT ABOVE LSD (SINCE DEC. 5, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 257.36 FEET BELOW LAND SURFACE DATUM MAY 22, 1985.

LOWEST WATER LEVEL 270.04 FEET BELOW LAND SURFACE DATUM AUG 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	262.53	S	DEC 06, 1985	262.37	S	FEB 03, 1986	261.26	S	MAY 07, 1986	257.53	S

WELL 05N 33E 13BDC3 SITE NUMBER 434601112315403

FORMERLY SITE ID NO. 434604112315703. DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 1,006.5 FT, 1-IN PIEZOMETER TUBE 0-725.0 FT, PERFORATED 717.5-722.5 FT, GRAVEL FILL 750-1,006.5 FT, CONCRETE SEAL 493-540 FT. LSD 4,794.58 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN CASING, 1.80 FT ABOVE LSD (SINCE DEC. 5, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 250.09 FEET BELOW LAND SURFACE DATUM MAY 07, 1986.

LOWEST WATER LEVEL 260.00 FEET BELOW LAND SURFACE DATUM AUG 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	253.59	S	DEC 06, 1985	253.26	S	FEB 03, 1986	250.99	S	MAY 07, 1986	250.09	S

WELL 05N 34E 09BDA1 SITE NUMBER 434657112282201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 320 FT, CASED TO 320 FT, PERFORATED 285-315 FT. LSD 4,791.28 FT NGVD OF 1929. DEC. 9, 1952, WELL WAS DEEPENED TO A DEPTH OF 553 FT, DIAM 4 IN, OPEN HOLE 320-553 FT. AUG. 11, 1961, WELL HAD FILLED IN TO A DEPTH OF 436 FT, JAN. 12, 1962, TO 434 FT. WATER LEVELS AFFECTED BY BAROMETRIC PRESSURE. RECORDER INSTALLED MAY 13, 1950. RECORDER REMOVED OCT. 18, 1952. RECORDER INSTALLED APR. 8, 1953. RECORDER REMOVED MAY 11, 1961. RECORDER INSTALLED APR. 22, 1965. RECORDER REMOVED OCT. 30, 1965. RECORDER INSTALLED JAN. 12, 1966. RECORDER REMOVED DEC. 20, 1966. RECORDER INSTALLED MAY 30, 1967. RECORDER REMOVED NOV. 27, 1978. MP NO. 1 PAINTED X ON TOP OF 6-IN CASING NORTHWEST SIDE, 1.76 FT ABOVE LSD (SINCE MAY 11, 1950).

RECORDS AVAILABLE 1950 - 1961, 1962 - 1964, 1966 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 252.00 FEET BELOW LAND SURFACE DATUM FEB 11, 1973.

LOWEST WATER LEVEL 264.57 FEET BELOW LAND SURFACE DATUM AUG 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 21, 1985	255.73	S	DEC 06, 1985	255.62	S	FEB 03, 1986	255.01	S	MAY 07, 1986	252.95	S

WELL 05N 36E 02BDA1 SITE NUMBER 434748112113601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, REPORTED DEPTH 405 FT, CASED TO 18 FT. LSD 4,763.57 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 16-IN CASING COVER, 1.00 FT ABOVE LSD (SINCE AUG. 30, 1968).

RECORDS AVAILABLE 1968, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.80 FEET BELOW LAND SURFACE DATUM SEP 04, 1968.

LOWEST WATER LEVEL 49.72 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 18, 1985	45.68	S	MAR 12, 1986	45.89	S	JUL 15, 1986	46.69	S	SEP 09, 1986	47.03	S
JAN 06, 1986	45.94	S	MAY 15	45.81	S						

WELL 05N 36E 02BDA2 SITE NUMBER 434748112113602

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 12 IN, REPORTED DEPTH 923 FT, CASED TO 838 FT. LSD 4,763.57 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF 1 1/2-IN TEE NORTHWEST SIDE, 1.56 FT ABOVE LSD (SINCE JUNE 19, 1978).

RECORDS AVAILABLE 1968, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.40 FEET ABOVE LAND SURFACE DATUM OCT 24, 1972.

LOWEST WATER LEVEL 11.09 FEET BELOW LAND SURFACE DATUM MAY 12, 1987.

WATER LEVELS IN FEET ABOVE OR BELOW(-) LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 19, 1985	0.06	S	MAR 12, 1986	0.30	S	JUL 15, 1986	-1.22	S	SEP 09, 1986	-1.33	S
JAN 06, 1986	0.28	S	MAY 15	0.27	S						

WELL 05N 36E 02BDA3 SITE NUMBER 434748112113603

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 995 FT, CASED TO 985 FT. LSD 4,763.57 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 2-IN COUPLING ON PIPE EXTENSION NORTHEAST SIDE, 3.76 FT ABOVE LSD (SINCE FEB. 14, 1980).

RECORDS AVAILABLE 1968, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.82 FEET ABOVE LAND SURFACE DATUM MAR 22, 1983.

LOWEST WATER LEVEL 20.15 FEET BELOW LAND SURFACE DATUM SEP 03, 1968.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 18, 1985	3.76	S	MAR 12, 1986	3.69	S	JUL 15, 1986	3.71	S	SEP 09, 1986	3.71	S
JAN 06, 1986	3.76	S	MAY 15	3.71	S						

WELL 05N 36E 21DAC1 SITE NUMBER 434447112133401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 299.5 FT, CASED TO 103 FT. LSD 4,800.94 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED NOV. 23, 1976. RECORDER MAINTAINED, AND ITS RECORD FURNISHED BY US BUREAU OF RECLAMATION. PERIODIC MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY. RECORDER REMOVED MAR. 19, 1980. MP NO. 1 TOP OF CASING, 1.00 FT ABOVE LSD (SINCE AUG.24, 1960).

RECORDS AVAILABLE 1960 - 1969, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 252.25 FEET BELOW LAND SURFACE DATUM DEC 20, 1974.

LOWEST WATER LEVEL 264.50 FEET BELOW LAND SURFACE DATUM SEP 11, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	253.90	V	MAR 11, 1986	254.20	V	JUL 15, 1986	258.36	V	SEP 09, 1986	257.97	V
JAN 06, 1986	253.31	V	MAY 15	255.80	V						

WELL 05N 37E 21DBB1 SITE NUMBER 434453112063601

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 5 IN, REPORTED DEPTH 289.5 FT, CASED TO 190 FT, CONCRETE SEAL 289.5-302 FT. LSD 4,744.59 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE SOUTH SIDE, 2.45 FT ABOVE LSD (SINCE NOV. 23, 1976).

RECORDS AVAILABLE 1975 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.44 FEET ABOVE LAND SURFACE DATUM SEP 25, 1984.

LOWEST WATER LEVEL 1.90 FEET BELOW LAND SURFACE DATUM JAN 12, 1979.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	1.47	S	MAY 13, 1986	1.26	S	JUL 17, 1986	1.50	S	SEP 09, 1986	1.78	S
MAR 11, 1986	0.44	S									

WELL 05N 37E 21DBB3 SITE NUMBER 434453112063603

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 536 FT, 3/4-IN PIEZOMETER TUBE 0-478 FT, PERFORATED 470.5-475.5 FT, GRAVEL FILL 445-536 FT, CONCRETE SEAL 411-445 FT. LSD 4,774.59 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.39 FT ABOVE LSD (SINCE NOV. 23, 1976).

RECORDS AVAILABLE 1976 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.18 FEET ABOVE LAND SURFACE DATUM SEP 25, 1984.

LOWEST WATER LEVEL 3.43 FEET BELOW LAND SURFACE DATUM MAR 19, 1980.

WATER LEVELS IN FEET ABOVE OR BELOW(-) LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	-0.46	S	MAR 11, 1986	-2.41	S	JUL 17, 1986	0.17	S	SEP 09, 1986	0.17	S
JAN 06, 1986	-0.63	S	MAY 13	0.21	S						

WELL 04N 35E 14AAA1 SITE NUMBER 434102112180701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 1,000.00 FT, CASED TO 430 FT. LSD 4,939.32 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1958. RECORDER INSTALLED NOV. 5, 1969. RECORDER MAINTAINED, AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION. PERIODIC MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY. RECORDER REMOVED MAR. 17, 1976. RECORDER INSTALLED MAY 4, 1981. RECORDER REMOVED NOV. 21, 1985. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 0.60 FT ABOVE LSD (SINCE NOV. 5, 1969).

RECORDS AVAILABLE 1969 - 1976, 1977 - 1980, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 402.48 FEET BELOW LAND SURFACE DATUM JAN 05, 1974.

LOWEST WATER LEVEL 417. 3 FEET BELOW LAND SURFACE DATUM AUG 06, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	407.40	OCT 25, 1985	406.10	NOV 15, 1985	405.20		MAR 11, 1986	404.98	S
10	407.13	31	405.72	20	404.89		MAY 15	406.30	S
15	406.82	NOV 05	405.58	21	404.84	S	JUL 15	410.13	S
20	406.38	10	405.15	JAN 08, 1986	404.47	S	SEP 10	408.60	S

WELL 04N 36E 32DDD1 SITE NUMBER 433738112143401

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 414 FT, 6-IN CASING 0-204 FT. LSD ABOUT 4,845 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN ACCESS HOLE IN TOP OF WELL SEAL, 1.40 FT ABOVE LSD (SINCE JUNE 3, 1986).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 319.99 FEET BELOW LAND SURFACE DATUM SEP 11, 1986.

LOWEST WATER LEVEL 323.00 FEET BELOW LAND SURFACE DATUM JUL 15, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 03, 1986	320.05	S	JUL 15, 1986	323.00	S	SEP 11, 1986	319.99	S

WELL 04N 38E 12BBB1 SITE NUMBER 434153111563201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10-8-6 IN, DEPTH 420.0 FT, 10-IN CASING 0-291.8 FT, 8-IN CASING 280-381.6 FT, 6-IN CASING 364-510 FT, PERFORATED 190-200 FT, 225-235 FT, 265-275 FT, CONCRETE SEAL 420-452 FT. LSD 4,829.55 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.42 FT ABOVE LSD (SINCE AUG. 2, 1984).

RECORDS AVAILABLE 1970 - 1973, 1974 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.23 FEET BELOW LAND SURFACE DATUM JUL 25, 1983.

LOWEST WATER LEVEL 25.94 FEET BELOW LAND SURFACE DATUM APR 11, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	4.03	S	JAN 08, 1986	16.71	S	MAY 15, 1986	22.37	S	SEP 09, 1986	2.83	S
NOV 18	7.64	S	MAR 12	19.45	S	JUL 17	2.46	S			

WELL 04N 38E 12BBB2 SITE NUMBER 434153111563202

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10-8-6 IN, DEPTH 528.0 FT, 10-IN CASING 0-291.8 FT, 8-IN CASING 280-381.6 FT, 6-IN CASING 364-510 FT, 10-IN CASING PERFORATED 190-200 FT, 225-235 FT, 265-275 FT, 6-IN CASING PERFORATED 475-490 FT, 1-IN PIEZOMETER TUBE 0-480.0 FT, PERFORATED 472.5-477.5 FT, GRAVEL FILL 450-528 FT, CONCRETE SEAL 420-450 FT, 528-538 FT. LSD 4,829.55 FT NGVD OF 1929. MP NO. 1 TOP OF 1-IN PIPE SOUTH SIDE, 1.25 FT ABOVE LSD (SINCE AUG. 2, 1984).

RECORDS AVAILABLE 1970 - 1973, 1974 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 26.29 FEET BELOW LAND SURFACE DATUM NOV 15, 1983.

LOWEST WATER LEVEL 48.04 FEET BELOW LAND SURFACE DATUM APR 11, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	27.75	S	JAN 08, 1986	37.97	S	MAY 15, 1986	44.23	S	SEP 09, 1986	26.96	S
NOV 18	31.56	S	MAR 12	42.40	S	JUL 17	30.80	S			

WELL 04N 38E 12BBB3 SITE NUMBER 434153111563203

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 705.0 FT, 3/4-IN PIEZOMETER TUBE 0-550.0 FT, PERFORATED 542.5-547.5 FT, GRAVEL FILL 538-705 FT, CONCRETE SEAL 528-538 FT, 705-726 FT. LSD 4,829.55 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.05 FT ABOVE LSD (SINCE JAN. 19, 1970).

RECORDS AVAILABLE 1970 - 1973, 1974 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 26.35 FEET BELOW LAND SURFACE DATUM SEP 10, 1984.

LOWEST WATER LEVEL 51.02 FEET BELOW LAND SURFACE DATUM APR 11, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	27.39	S	JAN 08, 1986	37.53	S	MAY 15, 1986	43.79	S	SEP 09, 1986	26.64	S
NOV 18	31.19	S	MAR 12	41.93	S	JUL 17	30.44	S			

WELL 04N 38E 12BBB4 SITE NUMBER 434153111563204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 842.0 FT, 3/4-IN PIEZOMETER TUBE 0-760.0 FT, PERFORATED 752.5-757.5 FT, GRAVEL FILL 726-842 FT, CONCRETE SEAL 705-726 FT, 842-850 FT. LSD 4,829.55 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JAN. 19, 1970).

RECORDS AVAILABLE 1970 - 1973, 1974 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 27.38 FEET BELOW LAND SURFACE DATUM SEP 10, 1974.

LOWEST WATER LEVEL 50.24 FEET BELOW LAND SURFACE DATUM MAY 12, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	29.10	S	JAN 08, 1986	39.44	S	MAY 15, 1986	45.87	S	SEP 09, 1986	28.39	S
NOV 18	33.03	S	MAR 12	43.94	S	JUL 17	32.33	S			

WELL 04N 38E 12BBB5 SITE NUMBER 434153111563205

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,026.0 FT, 3/4-IN PIEZOMETER TUBE 0-918.0 FT, PERFORATED 910.5-915.5 FT, GRAVEL FILL 850-1,026.0 FT, CONCRETE SEAL 842-850 FT. LSD 4,829.55 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-INCH PIPE SOUTH SIDE, 0.81 FT ABOVE LSD (SINCE JAN. 19 1970).

RECORDS AVAILABLE 1970 - 1973, 1974 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 78.14 FEET BELOW LAND SURFACE DATUM SEP 10, 1974.

LOWEST WATER LEVEL 110.77 FEET BELOW LAND SURFACE DATUM MAY 25, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	80.78	S	JAN 08, 1986	96.32	S	MAY 15, 1986	107.27	S	SEP 09, 1986	79.82	S
NOV 18	87.07	S	MAR 12	103.55	S	JUL 17	88.12	S			

WELL 04N 38E 16DAD1 SITE NUMBER 434028111515001

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 77.6 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,885 FT NGVD OF 1929. MEASUREMENTS PRIOR TO SEPT. 19, 1973, MADE BY UNIVERSITY OF IDAHO, WATER RESOURCES RESEARCH INSTITUTE. MP NO. 1 TOP OF 6-IN CASING, 5.80 FT BELOW LSD (SINCE SEPT. 19, 1973).

RECORDS AVAILABLE 1970 - 1972, 1973 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.65 FEET BELOW LAND SURFACE DATUM SEP 15, 1983.

LOWEST WATER LEVEL 64.00 FEET BELOW LAND SURFACE DATUM APR 17, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	15.00	S	JAN 08, 1986	47.05	S	MAY 15, 1986	57.52	S	SEP 09, 1986	10.66	S
NOV 21	29.99	S	MAR 12	56.20	S	JUL 17	13.25	S			

WELL 04N 39E 26DAA1 SITE NUMBER 433849111492601

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 107.8 FT, CASED TO 108 FT. LSD ABOUT 4,922 FT NGVD OF 1929. MEASUREMENTS PRIOR TO JULY 31, 1975, MADE BY UNIVERSITY OF IDAHO WATER RESOURCES RESEARCH INSTITUTE. MP NO. 2 TOP OF 1 1/2-IN PIPE, 1.02 FT ABOVE LSD (SINCE SEPT. 16, 1975).

RECORDS AVAILABLE 1970 - 1972, 1975 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.28 FEET BELOW LAND SURFACE DATUM AUG 14, 1978.

LOWEST WATER LEVEL 85.27 FEET BELOW LAND SURFACE DATUM APR 10, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 01, 1985	25.62	S	JAN 08, 1986	61.56	S	MAY 15, 1986	80.55	S	SEP 09, 1986	19.38	S
NOV 21	41.90	S	MAR 12	76.65	S	JUL 17	23.98	S			

WELL 07S 17E 06ACA1 SITE NUMBER 425053114302201

FORMERLY SITE ID NO. 425100114302701. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 345.1 FT, CASED TO 345 FT, PERFORATED 322-345 FT, OPEN BOTTOM. LSD 3,879.61 FT NGVD OF 1929. RECORDER INSTALLED DEC. 10, 1963. RECORDER REMOVED AUG. 17, 1971. MP NO. 2 TOP OF 6-IN CASING NORTHEAST SIDE, 1.10 FT ABOVE LSD (SINCE DEC. 10, 1963).

RECORDS AVAILABLE 1963 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 307.77 FEET BELOW LAND SURFACE DATUM NOV 27, 1972.

LOWEST WATER LEVEL 323.00 FEET BELOW LAND SURFACE DATUM SEP 18, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 1986	314.39 S	SEP 16, 1986	311.45 S

WELL 08S 17E 32AAA1 SITE NUMBER 424140114285501

FORMERLY WELL NO. 08S 17E 32AA1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM AND CASING INFORMATION NOT AVAILABLE, REPORTED DEPTH 325 FT, LSD 3,830.7 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP OF 5/8-IN HOLE IN WELL SEAL, 6.00 FT BELOW LSD (SINCE APRIL 9, 1974).

RECORDS AVAILABLE 1929, 1974, 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 280.41 FEET BELOW LAND SURFACE DATUM SEP 16, 1986.

LOWEST WATER LEVEL 297.70 FEET BELOW LAND SURFACE DATUM JUL 27, 1929.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09, 1985	283.05 R S	JAN 07, 1986	285.05 S	APR 18, 1986	288.37 S	JUL 24, 1986	283.31 P S
NOV 27	283.32 S	FEB 26	287.34 R S	MAY 19	287.24 S	AUG 21	282.08 R V
DEC 23	285.40 S	MAR 17	287.05 S	JUN 12	285.45 R V	SEP 16	280.41 S

WELL 08S 18E 05DAB1 SITE NUMBER 424529114150901

FORMERLY SITE ID NO. 424524114150901. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 21 TO 16 IN, DEPTH 329.1 FT, 21-IN CASING 0-4 FT, 16-IN CASING 197-277 FT, CONCRETE SEAL AT 272 FT. LSD 4,075.54 FT NGVD OF 1929. RECORDER INSTALLED APR. 6, 1960. RECORDER REMOVED AUG. 13, 1971. MP NO. 2 TOP OF 2-IN PIPE COUPLING NORTHEAST SIDE, 1.17 FT ABOVE LSD (SINCE AUG. 13, 1971).

RECORDS AVAILABLE 1957 - 1959, 1960 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 257.71 FEET BELOW LAND SURFACE DATUM OCT 07, 1957.

LOWEST WATER LEVEL 280.03 FEET BELOW LAND SURFACE DATUM JUN 02, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 24, 1986	275.60 S	JUL 21, 1986	272.53 V	SEP 18, 1986	271.01 V

JEROME COUNTY -- CONTINUED

WELL 09S 17E 20CAA1 SITE NUMBER 423747114293101

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20-18-12 IN, DEPTH 600 FT, 18-IN CASING 0-20 FT. LSD ABOUT 3,632 FT NGVD OF 1929. MP NO. 2 TOP OF CASING NORTH SIDE, 1.20 FT ABOVE LSD (SINCE MAR. 21, 1980).

RECORDS AVAILABLE 1974, 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 141.59 FEET BELOW LAND SURFACE DATUM APR 17, 1974.

LOWEST WATER LEVEL 304.21 FEET BELOW LAND SURFACE DATUM JAN 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 01, 1985	279.20	V	JAN 07, 1986	298.18	V	APR 18, 1986	303.34	V	JUL 24, 1986	300.47	V
27	294.15	V	FEB 26	300.40	V	MAY 19	301.40	V	AUG 21	299.50	V
DEC 23	297.20	V	MAR 17	300.25	V	JUN 12	301.75	V	SEP 16	294.84	V

WELL 09S 17E 28BDA1 SITE NUMBER 423705114282501

DRILLED OBSERVATION ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 8 TO 6 IN, DEPTH 2,050 FT, 6-IN CASING 0-960 FT, 5-IN CASING 960-1,010 FT, CONCRETE SEAL AT 960 FT. LSD ABOUT 3,612 FT NGVD OF 1929. MP NO. 4 CENTER OF 1/2-IN REDUCER PLUG ON SIDE OF CASING (SINCE FEB. 26, 1986).

RECORDS AVAILABLE 1980 - 1981.

HIGHEST WATER LEVEL 118. FEET ABOVE LAND SURFACE DATUM MAY 19, 1980.

LOWEST WATER LEVEL 58.15 FEET ABOVE LAND SURFACE DATUM MAY 19, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	17.15 E	M	JAN 15, 1986	61.05	M	MAR 24, 1986	65.65	H	MAY 19, 1986	58.15	M
DEC 18	60.90	M	FEB 26	62.88	H	APR 18	65.88	H	20		N

WELL 09S 19E 25BBC1 SITE NUMBER 423659114111601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 207.6 FT, CASED TO 134 FT, PERFORATED 114-134 FT. LSD 3,932.37 FT NGVD OF 1929. RECORDER INSTALLED APR. 12, 1960. RECORDER REMOVED JULY 21, 1960. MP NO. 1 TOP OF 16-IN CASING SOUTH SIDE, 2.00 ABOVE LSD (SINCE JULY 21, 1960).

RECORDS AVAILABLE 1957 - 1959, 1960, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 101.06 FEET BELOW LAND SURFACE DATUM OCT 01, 1957.

LOWEST WATER LEVEL 129.89 FEET BELOW LAND SURFACE DATUM APR 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	118.44	S	FEB 24, 1986	123.98	S	MAY 21, 1986	123.13	S	AUG 20, 1986	119.34	S
DEC 23	121.83	S	MAR 24	122.60	S	JUN 20	121.66	S	SEP 22	118.03	S
JAN 22, 1986	122.97	S	APR 21	124.31	S	JUL 21	120.46	S			

WELL 09S 20E 01DAA1 SITE NUMBER 424016114025801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, REPORTED DEPTH 400 FT, 8-IN CASING 0-10.6 FT, 6-IN CASING 340-400 FT, PERFORATED 340-400 FT. LSD 4,211.31 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED SEPT. 7, 1950. RECORDER REMOVED OCT. 11, 1950. RECORDER INSTALLED OCT. 17, 1950. RECORDER REMOVED DEC. 10, 1950. RECORDER INSTALLED JUNE 11, 1951. RECORDER REMOVED OCT. 22, 1984. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 1.70 FT ABOVE LSD (SINCE SEPT. 6, 1950).

RECORDS AVAILABLE 1950 - 1971, 1977, 1978, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 231.60 FEET BELOW LAND SURFACE DATUM FEB 03, 1972.

LOWEST WATER LEVEL 373.81 FEET BELOW LAND SURFACE DATUM MAY 23, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	365.27	S	FEB 24, 1986	367.80	S	MAY 21, 1986	367.24	S	AUG 20, 1986	365.78	S
DEC 23	365.50	S	MAR 24	368.12	S	JUN 10	366.95	S	SEP 19	364.87	S
JAN 16, 1986	367.14	S	APR 18	368.19	S	JUL 21	366.46	S			

WELL 10S 20E 27BCC1 SITE NUMBER 423134114062601

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 735.0 FT, CASED TO 20 FT. LSD 4,182.13 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED OCT. 29, 1952. RECORDER REMOVED JULY 30, 1953. MP NO. 2 TOP OF 2-IN PIPE SOUTH SIDE, SET IN CONCRETE WELL COVER, 1.30 FT ABOVE LSD (SINCE APR. 1, 1959).

RECORDS AVAILABLE 1952 - 1953, 1954, 1955 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 314.90 FEET BELOW LAND SURFACE DATUM OCT 29, 1952.

LOWEST WATER LEVEL 348.49 FEET BELOW LAND SURFACE DATUM JUL 22, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	337.23	S	SEP 19, 1986	339.65	S

WELL 10S 21E 26AAA1 SITE NUMBER 423159113570401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 525 FT, CASED TO 302 FT. LSD 4,197.07 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 17, 1980. RECORDER REMOVED MAR. 1, 1983. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE OCT. 6, 1976).

RECORDS AVAILABLE 1976 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 246.40 FEET BELOW LAND SURFACE DATUM MAY 13, 1977.

LOWEST WATER LEVEL 268.85 FEET BELOW LAND SURFACE DATUM JUN 16, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	259.38	S	JAN 16, 1986	259.25	S	MAY 21, 1986	255.85	S	AUG 13, 1986	256.87	S
NOV 19	260.61	S	MAR 13	258.36	S	JUN 10	255.60	S	SEP 18	258.32	S
DEC 23	259.46	S	APR 18	257.04	S	JUL 21	255.99	S			

WELL 10S 21E 28BCB1 SITE NUMBER 423145114003001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 603 FT, CASED TO 224 FT, CONCRETE SEAL 210-224 FT. LSD 4,157.26 FT NGVD OF 1929. MP NO. 2 TOP OF 2-IN PIPE WEST SIDE, 1.20 FT ABOVE LSD (SINCE SEPT. 15, 1978).

RECORDS AVAILABLE 1975, 1977 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 299.18 FEET BELOW LAND SURFACE DATUM SEP 14, 1977.

LOWEST WATER LEVEL 314.89 FEET BELOW LAND SURFACE DATUM APR 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	303.80	S	JAN 16, 1986	308.37	S	APR 18, 1986	310.32	S	JUL 21, 1986	305.99	S
NOV 19	305.15	S	FEB 24	309.94	S	MAY 21	308.48	S	AUG 13	305.60	S
DEC 20	306.57	S	MAR 13	310.41	S	JUN 10	307.68	S	SEP 19	304.19	S

KOOTENAI COUNTY

WELL 53N 04W 24BBA1 SITE NUMBER 475558116464701

DUG STOCK AND DOMESTIC WATER-TABLE WELL IN FLUVIOGLACIAL GRAVEL OF QUATERNARY AGE, DIAM 39 IN, DEPTH 480.0 FT, CRIBBED WITH WOOD TO 480 FT. LSD 2,486.53 FT NGVD OF 1929. APR. 26, 1965, WELL WAS DEEPENED AND RECASED TO A DEPTH OF 485.2 FT, 25-IN CASING 9-25 FT, 25-IN WOOD CRIBBING 25-328 FT, 20-IN CASING 258-485.2 FT, SLOTTED PERFORATIONS 446.2 -485.2 FT. MEASUREMENTS PRIOR TO 1938 BY WASHINGTON WATER POWER COMPANY. MEASUREMENTS FROM JAN. 1938 TO JULY 1942 BY U.S. GEOLOGICAL SURVEY AND WASHINGTON WATER POWER COMPANY. MP NO. 15 TOP OF 1/2-IN PIPE TEE SOUTH OF PUMP, 4.50 ABOVE LSD (SINCE JULY 15, 1968).

RECORDS AVAILABLE 1929 - 1938, 1939 - 1941, 1942 - 1964, 1965 TO CURRENT YEAR.

HIGHEST WATER LEVEL 447.38 FEET BELOW LAND SURFACE DATUM AUG 13, 1956.

LOWEST WATER LEVEL 478.14 FEET BELOW LAND SURFACE DATUM JAN 15, 1932.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1985	458.92 R T	JAN 22, 1986	461.13 T	APR 25, 1986	461.74 R S	JUL 22, 1986	461.66 P S
NOV 26	459.65 R S	FEB 20	461.88 T	MAY 23	461.47 S	AUG 21	462.09 P S
DEC 26	460.57 S	MAR 26	462.22 S	JUN 24	461.52 P S	SEP 24	461.99 R S

WELL 53N 04W 28CAB1 SITE NUMBER 475439116503401

DRILLED OBSERVATION WATER-TABLE WELL IN POORLY SORTED TILL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 448.6 FT, CASED TO 440 FT, 6-IN SCREEN 438-448 FT. LSD 2,426.27 FT NGVD OF 1929. MP NO. 1 TOP OF CASING NORTHEAST SIDE, 2.30 FT ABOVE LSD (SINCE JULY 16, 1971).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 399.57 FEET BELOW LAND SURFACE DATUM AUG 22, 1974.

LOWEST WATER LEVEL 419.89 FEET BELOW LAND SURFACE DATUM MAR 24, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1985	408.54 S	JAN 22, 1986	410.44 S	APR 25, 1986	410.78 S	JUL 22, 1986	411.22 S
NOV 26	409.08 S	FEB 20	411.06 S	MAY 23	410.64 S	AUG 21	411.53 S
DEC 26	409.75 S	MAR 26	411.14 S	JUN 24	410.86 S	SEP 24	412.00 S

WELL 53N 02W 09AAC1 SITE NUMBER 475736116341701

DRILLED UNUSED WATER-TABLE WELL IN FLUVIGLACIAL SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, REPORTED DEPTH 351 FT, CASED TO 351 FT, PERFORATED 280-345 FT. LSD 2,291.46 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. NOV. 1966, WELL BECAME BRIDGED, WELL DRILLER DROVE OBSTRUCTION DOWN TO 335 FT. AUG 1968, DEPTH SOUNDED AT 331 FT. MEASUREMENTS FROM DEC. 13, 1943, THROUGH DEC. 29, 1948, ARE AIRLINE MEASUREMENTS MADE TO THE NEAREST FOOT BY A. E. HOLTEN, FARRAGUT INSTITUTE. RECORDER INSTALLED OCT. 25, 1950. RECORDER REMOVED FEB. 4, 1962. MP NO. 9 TOP OF 2-IN PIPE, 0.48 FT ABOVE LSD (SINCE FEB. 23, 1983).

RECORDS AVAILABLE 1943 - 1948, 1949, 1950 - 1962, 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 228.00 FEET BELOW LAND SURFACE DATUM JUN 08, 1948.

LOWEST WATER LEVEL 252.00 FEET BELOW LAND SURFACE DATUM JAN 02, 1944.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 25, 1985	234.36	S	FEB 21, 1986	240.18	S	MAY 23, 1986	237.04	S	AUG 21, 1986	232.23	S
DEC 26	239.45	S	MAR 26	237.68	S	JUN 24	233.04	S	SEP 24	233.22	S
JAN 22, 1986	239.70	S	APR 25	237.84	S	JUL 22	232.38	S			

WELL 51N 05W 33BBA1 SITE NUMBER 474344116583001

DUG DOMESTIC WATER-TABLE WELL IN FLUVIOGLACIAL GRAVEL OF QUATERNARY AGE, DIAM 5 FT, DEPTH 174.4 FT, CONCRETE CASING TO 174 FT, OPEN BOTTOM. LSD 2,137.60 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MEASUREMENTS PRIOR TO JAN. 1938 BY WASHINGTON WATER POWER COMPANY. MEASUREMENTS FROM 1938 THROUGH JUNE 1950 BY US GEOL SURVEY AND WASHINGTON WATER POWER COMPANY. MP NO. 4 TOP OF 1 1/2-IN PIPE EAST SIDE OF PUMP, 2.13 FT ABOVE LSD (SINCE AUG. 27, 1959).

RECORDS AVAILABLE 1928 - 1937, 1938 - 1961, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 134.14 FEET BELOW LAND SURFACE DATUM JUN 29, 1950.

LOWEST WATER LEVEL 165.09 FEET BELOW LAND SURFACE DATUM FEB 11, 1932.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 25, 1985	149.56	S	JAN 22, 1986	151.27	S	APR 25, 1986	149.85	S	JUL 22, 1986	152.20	S
NOV 26	149.52	S	FEB 20	151.35	S	MAY 23	150.72 S	S	AUG 21	153.10 S	S
DEC 26	150.30	S	MAR 26	149.64	S	JUN 24	151.84	S	SEP 24	153.47	S

WELL 39N 05W 07DDC1 SITE NUMBER 464349117001301

DRILLED UNUSED ARTESIAN WELL IN COLUMBIA RIVER GROUP, DIAM 8 IN, DEPTH 231.0 FT, CASING DEPTH NOT AVAILABLE. LSD 2,560.93 FT NGVD OF 1929. JUNE 6, 1968, WELL WAS DEEPENED TO A DEPTH OF 240 FT. MEASUREMENTS FROM MAY 29, 1937, THROUGH JULY 27, 1964, MADE BY US GEOL SURVEY AND UNIVERSITY OF IDAHO. MEASUREMENTS FROM AUG. 3, 1964, THROUGH MAY 24, 1965, MADE BY UNIVERSITY OF IDAHO. MEASUREMENTS FROM JUNE 1, 1965, THROUGH DEC. 14, 1969, MADE BY IDAHO BUREAU OF MINES & GEOLOGY. MP NO. 1 TOP OF CASING SOUTHEAST SIDE AT LSD (SINCE MAY 2, 1947).

RECORDS AVAILABLE 1937 - 1940, 1947 - 1964, 1965 - 1966, 1967 - 1969, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 48.00 FEET BELOW LAND SURFACE DATUM JUL 15, 1986.

LOWEST WATER LEVEL 89.21 FEET BELOW LAND SURFACE DATUM DEC 17, 1958.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 27, 1985	50.27	S	FEB 23, 1986	49.04	S	MAY 17, 1986	48.45	S	AUG 14, 1986	49.08	S
NOV 30	50.44	S	MAR 22	49.12	S	JUN 04	48.05	S	SEP 12	48.37	S
JAN 07, 1986	50.07	S	APR 26	48.65	S	JUL 15	48.00	S			

WELL 21N 22E 15BAC1 SITE NUMBER 450915113504501

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 37 FT, CASED TO 36 FT, PERFORATED 26-34 FT. LSD ABOUT 4,045 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE IN WELL SEAL SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE SEPT. 13, 1973).

RECORDS AVAILABLE 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.68 FEET BELOW LAND SURFACE DATUM SEP 15, 1977.

LOWEST WATER LEVEL 18.72 FEET BELOW LAND SURFACE DATUM MAR 05, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	13.20	S	MAR 11, 1986	16.98	S	MAY 28, 1986	2.80	S	JUL 23, 1986	4.14	S
JAN 29, 1986	18.20	S									

WELL 21N 22E 31DAA1 SITE NUMBER 450620113533401

FORMERLY SITE ID NO. 450711113533401. DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 33 FT, CASED TO 33 FT, OPEN BOTTOM. LSD ABOUT 4,030 FT NGVD OF 1929. MP NO. 1 TOP OF 1/4-IN BUSHING IN WELL SEAL WEST SIDE, 0.60 FT ABOVE LSD (SINCE SEPT. 11, 1973).

RECORDS AVAILABLE 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.03 FEET BELOW LAND SURFACE DATUM JUN 09, 1978.

LOWEST WATER LEVEL 14.44 FEET BELOW LAND SURFACE DATUM MAR 01, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	6.72	S	MAR 10, 1986	6.94	S	MAY 28, 1986	4.04	S	JUL 23, 1986	4.94	S
JAN 29, 1986	9.49	S									

WELL 19N 24E 08CDD1 SITE NUMBER 445904113382601

DRILLED STOCK WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 8 IN, REPORTED DEPTH 59 FT, CASED TO 48 FT, PERFORATED 33-45 FT. LSD ABOUT 4,780 FT NGVD OF 1929. MP NO. 1 TOP OF 5/8-IN HOLE IN WELL SEAL SOUTHWEST SIDE, 0.80 FT ABOVE LSD (SINCE DEC. 8, 1973).

RECORDS AVAILABLE 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.56 FEET BELOW LAND SURFACE DATUM JUN 04, 1979.

LOWEST WATER LEVEL 20.27 FEET BELOW LAND SURFACE DATUM APR 17, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	18.80	S	MAR 11, 1986	19.26	S	MAY 28, 1986	14.57	S	JUL 23, 1986	15.03	S
JAN 29, 1986	19.29	S									

LEMHI COUNTY -- CONTINUED

WELL 18N 24E 20DDA1 SITE NUMBER 445212113374501

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 39.7 FT, CASED TO 39.7 FT. LSD ABOUT 5,170 FT NGVD OF 1929. MP NO. 2 TOP OF 3/8-IN PIPE NORTHEAST SIDE, 2.18 FT BELOW LSD (SINCE JAN. 11, 1976).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.35 FEET BELOW LAND SURFACE DATUM JUN 25, 1977.

LOWEST WATER LEVEL 29.07 FEET BELOW LAND SURFACE DATUM APR 22, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	22.91	S	MAR 11, 1986	26.03	S	MAY 28, 1986	8.21	S	JUL 23, 1986	6.80	S
JAN 29, 1986	27.91	S									

WELL 14N 22E 35BBD1 SITE NUMBER 443017113493001

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 16 IN, DEPTH 249.4 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,291 FT NGVD OF 1929. MP NO. 1 TOP OF CASING NORTH SIDE, 1.00 FT ABOVE LSD (SINCE MAY 25, 1971).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.79 FEET BELOW LAND SURFACE DATUM SEP 11, 1984.

LOWEST WATER LEVEL 57.59 FEET BELOW LAND SURFACE DATUM JUN 08, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	44.09	S	MAR 12, 1986	51.26	S	JUN 10, 1986	40.83	S	JUL 24, 1986	39.65	S
JAN 30, 1986	48.98	S									

WELL 03S 20E 02DDA1 SITE NUMBER 431116114021301

FORMERLY SITE ID NO. 431116114020901. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 571.5 FT, CASED TO 571.5 FT, PERFORATED 536-566 FT. AUG. 4, 1972, WELL HAD FILLED IN TO A DEPTH OF 569.3. LSD ABOUT 4,604 FT NGVD OF 1929. MP NO. 2 TOP OF 1-IN PIPE IN CASING CAP NORTHEAST SIDE, 0.86 FT ABOVE LSD (SINCE AUG. 4, 1972).

RECORDS AVAILABLE 1972 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 515.06 FEET BELOW LAND SURFACE DATUM JUL 21, 1983.

LOWEST WATER LEVEL 546.17 FEET BELOW LAND SURFACE DATUM MAR 30, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 26, 1985	536.17	V	MAR 14, 1986	536.70	S	JUL 24, 1986	530.48	S	SEP 18, 1986	529.66	S
JAN 23, 1986	539.04	S	MAY 19	528.12	S						

WELL 04S 17E 10BBA1 SITE NUMBER 430553114255201

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 TO 8 IN, DEPTH 650 FT, 20-IN CASING 0-164 FT. LSD ABOUT 4500 FT NGVD OF 1929. MP NO. 2 BOTTOM EDGE OF HOLE IN 20-IN CASING, WEST SIDE (SINCE JULY 23, 1985).

RECORDS AVAILABLE 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 205.32 FEET BELOW LAND SURFACE DATUM MAR 14, 1986.

LOWEST WATER LEVEL 287.14 FEET BELOW LAND SURFACE DATUM JAN 16, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 10, 1985	222.93	S	APR 15, 1986	207.32	S	JUN 24, 1986	211.66	S	AUG 15, 1986	214.84	S
JAN 16, 1986	287.14	V	MAY 19	209.36	S	JUL 24	213.52	S	SEP 18	216.88	S
MAR 14	205.32	V									

WELL 05S 17E 26ACA1 SITE NUMBER 425746114240101

FORMERLY SITE ID NO. 425742114240401. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 253.5 FT, CASED TO 201 FT. LSD 3,972.64 FT NGVD OF 1929. RECORDER INSTALLED JULY 29, 1959. RECORDER CHANGED TO DIGITAL JULY 24, 1975. MP NO. 1 TOP OF 16-IN CASING NORTHWEST SIDE, 1.30 FT ABOVE LSD (SINCE AUG. 5, 1957).

RECORDS AVAILABLE 1957 - 1958, 1959 TO CURRENT YEAR.

HIGHEST WATER LEVEL 177.99 FEET BELOW LAND SURFACE DATUM SEP 28, 1958.

LOWEST WATER LEVEL 203.07 FEET BELOW LAND SURFACE DATUM MAY 05, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	186.84	DEC 25, 1985	193.44	MAR 25, 1986	191.85	JUL 20, 1986	180.84
10	187.28	31	193.73	31	191.00	25	180.78
15	187.73	JAN 05, 1986	193.97	APR 04	190.55	31	180.82
20	187.86	10	194.50	MAY 19	178.39	AUG 05	180.68
25	188.46	15	194.53	20	178.52	10	180.76
31	188.91	23	195.04	25	179.56	15	180.80
NOV 05	189.56	25	195.54	31	180.24	20	181.12
10	189.54	31	195.46	JUN 05	180.27	25	180.99
15	190.51	FEB 05	195.62	10	180.32	31	181.06
20	190.67	10	195.93	15	180.02	SEP 05	181.01
25	190.88	14	196.20	20	180.23	10	181.03
30	191.40	15	195.90	25	180.44	15	180.99
DEC 05	191.94	16	196.09	30	180.70	20	181.18
10	192.27	MAR 14	194.85	JUL 05	180.73	25	180.32
15	192.76	15	194.78	10	180.61	30	179.20
20	193.10	20	193.77	15	180.51		

WELL 05S 23E 17CAA1 SITE NUMBER 425909113444101

FORMERLY SITE ID NO. 425907113444001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6-IN, DEPTH 332.7 FT, CASED TO 333 FT, PERFORATED 311-331 FT, STEEL PLATE BOTTOM SEAL. LSD 4,374.87 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED AUG. 21, 1957. RECORDER REMOVED NOV. 14, 1985. MP NO. 2 TOP OF 6-IN CASING EAST SIDE, 2.97 FT ABOVE LSD (SINCE MAY 08, 1986).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 303.04 FEET BELOW LAND SURFACE DATUM JUL 02, 1957.

LOWEST WATER LEVEL 317.02 FEET BELOW LAND SURFACE DATUM SEP 05, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	311.13	OCT 20, 1985	310.96	NOV 03, 1985	310.82		JUL 21, 1986	309.33	S
10	311.09	25	310.90	MAY 08, 1986	308.62	S	SEP 16	309.67	S
15	311.10	31	310.82	15	308.59	S			

WELL 06S 18E 22AAA1 SITE NUMBER 425338114174101

DRILLED IRRIGATION WATER-TABLE WELL IN BASALT OF QUATERNARY AGE, DIAM 6 IN, DEPTH 232 FT, CASED TO 4 FT. LSD 4,035.89 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED APR. 15, 1952. RECORDER REMOVED DEC. 17, 1954. MP NO. 2 TOP OF CASING NORTH SIDE, 0.30 FT BELOW LSD (SINCE APR. 15, 1952).

RECORDS AVAILABLE 1951, 1952 - 1956 1952 - 1954, 1955 - 1956, 1966, 1966, 1972, 1972, 1980, 1981 - 1982, 1985 TO CURRENT Y

HIGHEST WATER LEVEL 177.71 FEET BELOW LAND SURFACE DATUM SEP 11, 1952.

LOWEST WATER LEVEL 213.84 FEET BELOW LAND SURFACE DATUM JAN 26, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 10, 1985	193.88	S	FEB 25, 1986	197.02	S	MAY 19, 1986	195.10	S	AUG 15, 1986	192.10	S
DEC 18	196.07	S	MAR 14	195.96	S	JUN 24	193.52	S	SEP 18	191.83	S
JAN 23, 1986	197.20	S	APR 15	195.98	S	JUL 24	192.87	S			

WELL 06S 22E 28CDD1 SITE NUMBER 425155113503901

FORMERLY WELL NO. 06S 22E 28CC1. DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING, NOT AVAILABLE. LSD 4,222.66 NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 BOTTOM EDGE OF PUMPBASE SOUTH SIDE 0.44 FT ABOVE LSD (SINCE APR. 28, 1966).

RECORDS AVAILABLE 1957, 1966, 1972, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 192.67 FEET BELOW LAND SURFACE DATUM AUG 01, 1957.

LOWEST WATER LEVEL 200.54 FEET BELOW LAND SURFACE DATUM JUL 25, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
DEC 18, 1985	197.71	S	MAR 14, 1986	196.44	V	JUN 24, 1986	198.02	V	SEP 18, 1986	198.79	S
JAN 23, 1986	196.83	S	APR 15	195.82	S	JUL 24	199.24	V			
FEB 25	196.98	V	MAY 19	196.19	S	AUG 15	199.11	S			

MADISON COUNTY

WELL 07N 38E 23DBA1 SITE NUMBER 435506111563101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 236.0 FT, CASED TO 177 FT. LSD 4,852.35 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED APR. 9, 1960. RECORDER CHANGED TO DIGITAL MAR. 12, 1973. MP NO. 1 TOP OF 16-IN CASING NORTHEAST SIDE, 1.95 FT ABOVE LSD (SINCE JULY 23, 1965).

RECORDS AVAILABLE 1958 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 36.60 FEET BELOW LAND SURFACE DATUM OCT 26, 1984.

LOWEST WATER LEVEL 45.74 FEET BELOW LAND SURFACE DATUM APR 16, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	37.49	JAN 10, 1986	39.20	APR 15, 1986	40.00	JUL 20, 1986	38.09
10	37.54	15	39.13	20	40.08	25	38.01
15	37.61	20	39.21	25	39.84	31	37.94
20	37.53	25	39.60	30	39.98	AUG 05	37.86
25	37.60	31	39.52	MAY 05	39.86	10	37.81
31	37.64	FEB 05	39.62	10	39.65	15	37.73
NOV 05	37.80	10	39.75	15	39.70	20	37.78
10	37.73	15	39.70	20	39.54	25	37.68
15	38.00	20	39.93	25	39.60	31	37.59
20	37.92	25	40.11	31	39.37	SEP 05	37.51
25	37.86	28	40.10	JUN 05	39.13	10	37.42
30	38.06	MAR 05	40.19	10	39.02	15	37.36
DEC 05	38.25	10	40.02	15	38.69	20	37.34
10	38.34	15	40.15	20	38.59	24	37.04
15	38.55	20	40.33	25	38.43	25	37.14
20	38.70	25	40.27	30	38.37	30	37.22
25	38.82	31	40.27	JUL 05	38.32		
31	38.87	APR 05	40.14	10	38.17		
JAN 05, 1986	38.95	10	40.07	15	38.05		

WELL 07N 38E 23DBA2 SITE NUMBER 435506111563102

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, REPORTED DEPTH 152 FT, CASED TO 154 FT, PERFORATED 65-140 FT. AUG. 28, 1958, WELL HAD FILLED WITH SAND THROUGH PERFORATIONS TO A DEPTH OF 84 FT. LSD 4,852.38 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED APR. 9, 1960. RECORDER CHANGED TO DIGITAL MAR. 12, 1975. MP NO. 1 TOP OF CASING COUPLING NORTH SIDE, 0.70 FT ABOVE LSD (SINCE APR. 9, 1960).

RECORDS AVAILABLE 1958 - 1959, 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 33.24 FEET BELOW LAND SURFACE DATUM SEP 20, 1984.

LOWEST WATER LEVEL 39.75 FEET BELOW LAND SURFACE DATUM JUN 03, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	33.97	JAN 10, 1986	35.75	APR 15, 1986	36.45	JUL 20, 1986	33.95
10	34.07	15	35.81	20	36.42	25	33.85
15	34.17	20	35.91	25	36.26	31	33.74
20	34.20	25	36.08	30	36.23	AUG 05	33.63
25	34.28	31	36.17	MAY 05	36.08	10	33.57
31	34.39	FEB 05	36.26	10	35.94	15	33.48
NOV 05	34.45	10	36.37	15	35.85	20	33.44
10	34.54	15	36.44	20	35.74	25	33.41
15	34.72	20	36.58	25	35.67	31	33.36
20	34.76	25	36.67	31	35.53	SEP 05	33.34
25	34.83	28	36.70	JUN 05	35.37	08	33.25
30	34.95	MAR 05	36.78	10	35.26	10	33.39
DEC 05	35.02	10	36.72	15	35.06	15	33.44
10	35.11	15	36.76	20	34.88	20	33.56
15	35.23	20	36.84	25	34.70	25	33.53
20	35.34	25	36.82	30	34.55	30	33.69
25	35.42	31	36.77	JUL 05	34.41		
31	35.52	APR 05	36.64	10	34.22		
JAN 05, 1986	35.60	10	36.57	15	34.06		

WELL 07N 38E 23DBA3 SITE NUMBER 435506111563201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 201.5 FT, CASED TO 181 FT. LSD 4,855.75 FT NGVD OF 1929. MP NO. 3 TOP OF 1 1/2-IN PIPE COUPLING, 3.54 FT ABOVE LSD (SINCE JUNE 28, 1967).

RECORDS AVAILABLE 1958 - 1961, 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 36.17 FEET BELOW LAND SURFACE DATUM NOV 27, 1984.

LOWEST WATER LEVEL 47.87 FEET BELOW LAND SURFACE DATUM MAY 16, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	38.11	S	MAR 07, 1986	40.48	S	JUL 23, 1986	37.46	S	SEP 22, 1986	37.14	S
JAN 14, 1986	39.38	S	MAY 19	39.40	S						

MADISON COUNTY -- CONTINUED

WELL 07N 38E 23DBA6 SITE NUMBER 435506111563204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, REPORTED DEPTH 632.5 FT, 3/4-IN PIEZOMETER TUBE 0-630 FT, PERFORATED 622.5-627.5 FT, GRAVEL FILL 613-632.5 FT, CONCRETE SEAL 595-613 FT. LSD 4,835.75 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE WEST SIDE, 3.58 FT ABOVE LSD (SINCE JUNE 28, 1967).

RECORDS AVAILABLE 1967 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.00 FEET BELOW LAND SURFACE DATUM SEP 26, 1985.

LOWEST WATER LEVEL 49.19 FEET BELOW LAND SURFACE DATUM MAY 17, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	41.39	S	MAR 07, 1986	43.72	S	JUL 23, 1986	41.71	S	SEP 22, 1986	40.82	S
JAN 14, 1986	42.80	S	MAY 19	43.22	S						

WELL 07N 39E 29CDC1 SITE NUMBER 435355111532401

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 29.7 FT, CASED TO 29.7 FT, SANDPOINT 27.7-29.7 FT. LSD 4,849.95 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1 1/4-IN PIPE SOUTH SIDE, 0.30 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966, 1967 - 1971, 1972 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.11 FEET BELOW LAND SURFACE DATUM AUG 31, 1970.

LOWEST WATER LEVEL 18.06 FEET BELOW LAND SURFACE DATUM APR 17, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	5.38	S	MAR 07, 1986	13.95	S	JUL 23, 1986	3.24	S	SEP 22, 1986	3.48	S
JAN 17, 1986	7.11	S	MAY 19	8.90	S						

WELL 07N 39E 34CCB1 SITE NUMBER 435314111511902

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 342 FT, CASED TO 161.5 FT, CONCRETE SEAL 150-161.5 FT. LSD 4,828.31 FT NGVD OF 1929. RECORDER INSTALLED AUG. 19, 1969. RECORDER REMOVED JUNE 26, 1980. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE AUG. 19, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980, 1981 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.09 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.

LOWEST WATER LEVEL 18.33 FEET BELOW LAND SURFACE DATUM APR 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	9.80	S	MAR 07, 1986	12.47	S	JUL 23, 1986	9.67	S	SEP 23, 1986	9.43	S
JAN 17, 1986	10.77	S	MAY 19	11.78	S						

WELL 07N 42E 32BBB1 SITE NUMBER 435358111321301

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 4 TO 1 1/2 IN, REPORTED DEPTH 500 FT, 4-IN CASING 0-20 FT, 1 1/2-IN CASING 0-500 FT, PERFORATED 480-500 FT. LSD 5,356.88 FT NGVD OF 1929. MP NO. 1 TOP OF 4-IN CASING SOUTH SIDE, 0.68 FT ABOVE LSD (SINCE JULY 27, 1972).

RECORDS AVAILABLE 1972 - 1975, 1976, 1977, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 309.48 FEET BELOW LAND SURFACE DATUM MAR 16, 1977.

LOWEST WATER LEVEL 458.94 FEET BELOW LAND SURFACE DATUM SEP 10, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	415.27	V	MAR 07, 1986	422.63	V	JUL 23, 1986	413.30	V	SEP 30, 1986	408.04	V
JAN 13, 1986	419.32	V	MAY 19	409.50	V						

WELL 06N 38E 02DBD1 SITE NUMBER 435228111563401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 TO 4 IN, REPORTED DEPTH 325 FT, 5-IN CASING 0-255 FT, 4-IN CASING 255-328 FT, OPEN BOTTOM, GRAVEL FILL 325-365 FT, CONCRETE SEAL 365-410 FT. LSD 4,884.70 FT NGVD OF 1929. MP NO. 2 TOP OF 3/4-IN PIPE SOUTH SIDE, 2.11 FT ABOVE LSD (SINCE JUNE 17, 1977).

RECORDS AVAILABLE 1975 - 1977, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 70.26 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.

LOWEST WATER LEVEL 79.13 FEET BELOW LAND SURFACE DATUM APR 04, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	70.80	S	JAN 18, 1986	72.28	S	MAY 19, 1986	72.83	S	SEP 22, 1986	70.32	S
JAN 14, 1986	72.28	S	MAR 07	73.18	S	JUL 23	71.10	S			

WELL 06N 38E 25ACB4 SITE NUMBER 434917111553102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 681 FT, CASED TO 483.3 FT. LSD 4,826.70 FT NGVD OF 1929. RECORDER INSTALLED FEB. 16, 1970. RECORDER REMOVED DEC. 1, 1972. MP NO. 1 TOP OF 8-IN CASING EAST SIDE, 0.72 FT ABOVE LSD (SINCE JUNE 16, 1968).

RECORDS AVAILABLE 1968, 1969, 1970 - 1972, 1973 - 1975, 1976, 1977 - 1978, 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.81 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.

LOWEST WATER LEVEL 21.44 FEET BELOW LAND SURFACE DATUM MAR 17, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	13.51	S	MAR 07, 1986	16.17	S	JUL 23, 1986	13.75	S	SEP 22, 1986	12.87	S
JAN 14, 1986	15.18	S	MAY 19	15.63	S						

MADISON COUNTY -- CONTINUED

WELL 06N 39E 10BBB1 SITE NUMBER 435209111512101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 260.0 FT, CASED TO 168 FT. LSD 4,834.20 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF PIPE COUPLING IN CASING CAP, 1.80 FT ABOVE LSD (SINCE DEC. 14, 1962).

RECORDS AVAILABLE 1962 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.86 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 23.68 FEET BELOW LAND SURFACE DATUM MAR 14, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	15.68	S	MAR 07, 1986	16.52	S	JUL 23, 1986	17.43	S	SEP 23, 1986	14.86	S
JAN 17, 1986	16.01	S	MAY 19	17.90	S						

WELL 06N 39E 10BBB2 SITE NUMBER 435209111512102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 317 FT, 3/4-IN PIEZOMETER TUBE 0-316 FT, PERFORATED 307.5-312.5 FT, GRAVEL FILL 290-317 FT, CONCRETE SEAL 265-290 FT, 317-339 FT. LSD 4,834.20 FT NGVD OF 1929, PACIFIC NORHTWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 2.32 FT ABOVE LSD (SINCE JUNE 12, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.94 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 23.80 FEET BELOW LAND SURFACE DATUM MAR 13, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	15.83	S	MAR 07, 1986	18.00	S	JUL 23, 1986	15.58	S	SEP 23, 1986	14.94	S
JAN 17, 1986	17.13	S	MAY 19	18.00	S						

WELL 06N 39E 10BBB3 SITE NUMBER 435209111512103

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 545 FT, 3/4-IN PIEZOMETER TUBE 0-387 FT, PERFORATED 376.5-381.5 FT, GRAVEL FILL 339-545 FT, CONCRETE SEAL 317-339 FT, 545-570 FT. LSD 4,834.20 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 2.02 FT ABOVE LSD (SINCE JUNE 12, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.95 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 23.74 FEET BELOW LAND SURFACE DATUM MAR 14, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	15.75	S	MAR 07, 1986	17.70	S	JUL 23, 1986	16.03	S	SEP 23, 1986	14.95	S
JAN 17, 1986	17.29	S	MAY 19	17.97	S						

WELL 06N 39E 10BBB4 SITE NUMBER 435209111512104

DRILLED OBSERVATION ARTESIAN WELL IN HUCKLEBERRY RIDGE TUFF, DEPTH 636.8 FT, 3/4-IN PIEZOMETER TUBE 0-600 FT, PERFORATED 592.5-597.5 FT, GRAVEL FILL 570-636.5 FT, CONCRETE SEAL 545-570 FT. LSD 4,834.20 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 1.74 FT ABOVE LSD (SINCE JUNE 12, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.26 FEET BELOW LAND SURFACE DATUM OCT 11, 1967.

LOWEST WATER LEVEL 21.64 FEET BELOW LAND SURFACE DATUM MAY 18, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	14.54	S	MAR 07, 1986	17.23	S	JUL 23, 1986	15.96	S	SEP 23, 1986	14.85	S
JAN 17, 1986	16.03	S	MAY 19	17.38	S						

WELL 06N 39E 13ABA1 SITE NUMBER 435118111481601

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 29.9 FT, CASED TO 29.9 FT, PERFORATED 27.9-29.9 FT. LSD 4,863.51 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1 1/4-IN PIPE NORTH SIDE, 1.10 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966, 1967 - 1971, 1977 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.14 FEET BELOW LAND SURFACE DATUM JUL 30, 1970.

LOWEST WATER LEVEL 19.04 FEET BELOW LAND SURFACE DATUM APR 17, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	9.50	S	MAR 07, 1986	14.78	S	JUL 23, 1986	5.87	S	SEP 23, 1986	6.88	S
JAN 17, 1986	14.37	S	MAY 19	15.52	S						

WELL 06N 39E 16DAA1 SITE NUMBER 435048111512701

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 26.7 FT, CASED TO 26.7 FT, PERFORATED 24.7-26.7 FT. LSD 4,834.85 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1 1/4-IN PIPE. 0.80 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966, 1967 - 1971, 1972 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.54 FEET BELOW LAND SURFACE DATUM AUG 10, 1976.

LOWEST WATER LEVEL 12.78 FEET BELOW LAND SURFACE DATUM MAR 30, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	7.93	S	MAR 07, 1986	10.58	S	JUL 23, 1986	2.99	S	SEP 23, 1986	5.19	S
JAN 17, 1986	11.01	S	MAY 21	10.11	S						

WELL 06N 39E 23AAC2 SITE NUMBER 435015111495302

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 449.5 FT, CASED TO 248 FT, GRAVEL FILL 440-465 FT, CONCRETE SEAL 240.5-257 FT, 435-440 FT. LSD 4,843.84 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 15, 1969. RECORDER REMOVED AUG. 24, 1982. MP NO. 1 TOP OF 8-IN CASING SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE APR. 14, 1969).

RECORDS AVAILABLE 1969 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.63 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 31.99 FEET BELOW LAND SURFACE DATUM APR 15, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	23.59	S	MAR 07, 1986	26.17	S	JUL 23, 1986	23.45	S	SEP 23, 1986	22.63	S
JAN 14, 1986	25.28	S	MAY 19	25.90	S						

WELL 06N 39E 28BBB1 SITE NUMBER 434932111523701

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, REPORTED DEPTH 26.3 FT, CASED TO 26.3 FT, PERFORATED 24.3-26.3 FT. LSD 4,828.69 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF 1 1/4-IN PIPE WEST SIDE, 3.89 FT ABOVE LSD (SINCE JULY 20, 1977).

RECORDS AVAILABLE 1966, 1967 - 1971, 1972 - 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.62 FEET BELOW LAND SURFACE DATUM JUN 08, 1976.

LOWEST WATER LEVEL 10.75 FEET BELOW LAND SURFACE DATUM APR 23, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	8.16	S	MAR 07, 1986	8.69	S	JUL 23, 1986	4.21	S	SEP 23, 1986	6.26	S
JAN 17, 1986	7.90	S	MAY 19	8.30	S						

WELL 06N 39E 30ADC1 SITE NUMBER 434915111540501

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 295.0 FT, CASED TO 263 FT. LSD 4,816.92 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1-IN PIPE COUPLING IN CASING CAP, 2.00 FT ABOVE LSD (SINCE JAN. 14, 1963).

RECORDS AVAILABLE 1963 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.03 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.

LOWEST WATER LEVEL 7.29 FEET BELOW LAND SURFACE DATUM APR 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	1.12	S	MAR 07, 1986	2.00	S	JUL 23, 1986	0.54	S	SEP 22, 1986	0.06	S
JAN 14, 1986	2.58	S	MAY 19	1.71	S						

MADISON COUNTY -- CONTINUED

WELL 06N 39E 30ADC2 SITE NUMBER 434915111540502

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 620 FT, 3/4-IN PIEZOMETER TUBE 0-445 FT, PERFORATED 437.5-442.5 FT, GRAVEL FILL 406-620 FT, CONCRETE SEAL 385-406 FT, 620-638 FT. LSD 4,816.92 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 2.20 FT ABOVE LSD (SINCE JULY 25, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.99 FEET BELOW LAND SURFACE DATUM NOV 07, 1985.

LOWEST WATER LEVEL 9.85 FEET BELOW LAND SURFACE DATUM MAR 12, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	0.99	S	MAY 19, 1986		O	JUL 23, 1986	2.07	S	SEP 22, 1986	1.32	S

WELL 06N 39E 30ADC3 SITE NUMBER 434915111540503

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 699.7 FT, 3/4-IN PIEZOMETER TUBE 0-685 FT, PERFORATED 677.5-682.5 FT, GRAVEL FILL 638-699.7 FT, CONCRETE SEAL 620-638 FT. LSD 4,816.92 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE, 2.03 FT ABOVE LSD (SINCE JULY 25, 1967).

RECORDS AVAILABLE 1967 - 1969, 1970 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.61 FEET BELOW LAND SURFACE DATUM SEP 26, 1985.

LOWEST WATER LEVEL 9.12 FEET BELOW LAND SURFACE DATUM MAR 02, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	0.97	S	MAR 07, 1986	3.22	S	JUL 23, 1986	2.31	S	SEP 22, 1986	1.14	S
JAN 14, 1986	2.07	S	MAY 19	2.81	S						

WELL 06N 39E 35CBB2 SITE NUMBER 434816111501302

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, REPORTED DEPTH 27.1 FT, CASED TO 27.1 FT, PERFORATED 25.1-27.1 FT. LSD 4,840.57 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1 1/4-IN PIPE COLLAR, 0.70 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966 - 1971, 1972 - 1976, 1977, 1978, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.90 FEET BELOW LAND SURFACE DATUM JUN 08, 1976.

LOWEST WATER LEVEL 12.41 FEET BELOW LAND SURFACE DATUM MAY 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	5.54	S	MAR 07, 1986	6.44	S	JUL 23, 1986	2.53	S	SEP 23, 1986	4.72	S
JAN 17, 1986	7.03	S	MAY 19	7.53	S						

WELL 06N 40E 09BBB2 SITE NUMBER 435205111452301

BORED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DAIM 1 1/4 IN, REPORTED DEPTH 25 FT, CASED 0-23 FT, WELL POINT 23.0-25.0 FT. LSD 4,886.80 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN CASING, 0.70 FT ABOVE LSD (SINCE JULY 21, 1977).

RECORDS AVAILABLE 1977 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.99 FEET BELOW LAND SURFACE DATUM JUL 25, 1983.

LOWEST WATER LEVEL 22.53 FEET BELOW LAND SURFACE DATUM APR 18, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	8.67	S	MAR 07, 1986	13.61	S	MAY 19, 1986	16.24	S	MAY 20, 1986		N
JAN 17, 1986	9.23	S									

WELL 06N 40E 25BCB1 SITE NUMBER 434921111415001

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 IN, REPORTED DEPTH 411 FT, CASED TO 15 FT. LSD ABOUT 5,140 FT NGVD OF 1929. MP NO. 1 INSIDE EDGE OF V-SLOT IN TOP EDGE OF CASING NORTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE JUNE 6, 1986).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 323.93 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 327.01 FEET BELOW LAND SURFACE DATUM JUL 24, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 06, 1986	326.20	S	JUL 24, 1986	327.01	S	AUG 12, 1986	326.20	S	SEP 24, 1986	323.93	S

WELL 06N 41E 02BDC1 SITE NUMBER 435237111352701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, REPORTED DEPTH 350 FT, CASED TO 60 FT. LSD 5,131.80 FT NGVD OF 1929. MP NO. 3 TOP OF 5/8-IN HOLE INSIDE PUMPBASE SOUTHWEST SIDE, 1.08 FT ABOVE LSD (SINCE SEPT. 13, 1977).

RECORDS AVAILABLE 1959, 1967 - 1970, 1971 - 1977, 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 260.79 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 279.48 FEET BELOW LAND SURFACE DATUM SEP 17, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 07, 1986	266.41	S	JUL 23, 1986	265.51	P S	AUG 12, 1986	269.25	S	SEP 24, 1986	260.79	S

MADISON COUNTY -- CONTINUED

WELL 06N 41E 11CDB1 SITE NUMBER 435128111353401

DRILLED IRRIGATION WATER-TABLE WELL IN WELDED TUFF AND ASH OF QUATERNARY AGE, DIAM 18 IN, REPORTED DEPTH 568 FT, CASING DEPTH NOT AVAILABLE. LSD 5,216.08 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1968. MAR. 9, 1972, WELL HAD FILLED IN TO A DEPTH OF 489.3 FT. RECORDER INSTALLED SEPT. 8, 1971. RECORDER REMOVED JUNE 26, 1980. MP NO. 1 TOP OF 18-IN CASING WEST SIDE, 0.04 FT ABOVE LSD (SINCE APR. 20, 1971).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 263.71 FEET BELOW LAND SURFACE DATUM MAY 12, 1978.

LOWEST WATER LEVEL 362.37 FEET BELOW LAND SURFACE DATUM JUL 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 06, 1985	349.01	V	MAR 07, 1986	351.17	V	JUL 23, 1986	351.86	V	SEP 30, 1986	345.42	V
JAN 13, 1986	349.16	V	MAY 19	350.29	V						

WELL 06N 41E 20BDC1 SITE NUMBER 435002111380801

FORMERLY WELL NO. 06N 41E 20BCD1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 650 FT, CASED TO 12 FT. LSD ABOUT 5,116 FT NGVD OF 1929. MP NO. 2 TOP OF 1/2-IN ACCESS HOLE IN WELL SEAL NORTH SIDE, 1.20 FT ABOVE LSD (SINCE JUNE 6, 1986).

RECORDS AVAILABLE 1972 TO CURRENT YEAR, 1977, 1978, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 224.88 FEET BELOW LAND SURFACE DATUM APR 19, 1972.

LOWEST WATER LEVEL 271.64 FEET BELOW LAND SURFACE DATUM SEP 13, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JUN 06, 1986	260.96	S	JUL 24, 1986	262.80	S	AUG 18, 1986	266.33	S

WELL 05N 39E 08DAD1 SITE NUMBER 434638111530401

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 27.5 FT, CASED TO 27.5 FT, WELL POINT 25.5-27.5 FT. LSD 4,830.36 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF COLLAR, 0.70 FT ABOVE LSD (SINCE NOV. 8, 1966).

RECORDS AVAILABLE 1966, 1967 - 1973, 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 0.80 FEET BELOW LAND SURFACE DATUM JUL 18, 1984.

LOWEST WATER LEVEL 8.22 FEET BELOW LAND SURFACE DATUM JAN 06, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	7.09	S	MAR 07, 1986	6.84	S	JUL 23, 1986	4.75	S	SEP 23, 1986	4.95	S
JAN 17, 1986	8.01	S	MAY 19	6.90	S						

WELL 05N 40E 01CCD1 SITE NUMBER 434712111415601

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, REPORTED DEPTH 716 FT, CASED TO 104 FT. LSD ABOUT 5,305 FT NGVD OF 1929. AUG. 24, 1972, WELL HAD FILLED IN TO A DEPTH OF 508.6 FT. MP NO. 2 TOP OF HOLE IN 55-GAL DRUM SOUTH SIDE, 1.20 FT ABOVE LSD (SINCE MAY 1, 1973).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 439.28 FEET BELOW LAND SURFACE DATUM MAY 18, 1982.

LOWEST WATER LEVEL 449.76 FEET BELOW LAND SURFACE DATUM SEP 27, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 07, 1985	439.57	S	MAR 07, 1986	439.40	S	JUL 24, 1986	441.63	S	SEP 24, 1986	439.47	S
JAN 13, 1986	439.53	S	MAY 19	439.40	S						

MINIDOKA COUNTY

WELL 04S 24E 06BBC1 SITE NUMBER 430626113391001

FORMERLY SITE ID NO. 430623113390801. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 445.1 FT, CASED TO 444 FT, PERFORATED 420-444 FT. LSD 4,493.44 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED AUG. 20, 1957. RECORDER REMOVED NOV. 14, 1985. MP NO. 2 TOP OF 6-IN CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE MAY 09, 1986).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 410.98 FEET BELOW LAND SURFACE DATUM APR 03, 1958.

LOWEST WATER LEVEL 424.60 FEET BELOW LAND SURFACE DATUM SEP 23, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	418.45		MAY 09, 1986	416.28	S	JUL 21, 1986	416.61	S	SEP 16, 1986	416.88	S
OCT 07	418.17		MAY 15	416.28	S						

WELL 05S 25E 22DAD1 SITE NUMBER 425812113271201

FORMERLY SITE ID NO. 425812113271401. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 581.3 FT, CASED TO 581.3 FT, PERFORATED 525-538 FT, 555-560 FT, 575-578 FT. LSD 4,583.37 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 3 TOP OF 2-IN PIPE NIPPLE NORTHEAST SIDE, 2.34 FT ABOVE LSD (SINCE MAY 4, 1972).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 491.46 FEET BELOW LAND SURFACE DATUM APR 27, 1973.

LOWEST WATER LEVEL 502.77 FEET BELOW LAND SURFACE DATUM SEP 16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	495.38	S	MAY 15, 1986	494.70	S	JUL 21, 1986	495.27	S	SEP 16, 1986	495.78	S

WELL 07S 24E 02ADD1 SITE NUMBER 425040113363101

FORMERLY SITE ID NO. 425037113363201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 IN, DEPTH 252.0 FT, CASED TO 252 FT, PERFORATED 222-252 FT. LSD 4,285.88 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED NOV. 3, 1953. RECORDER REMOVED AUG. 9, 1972. MP NO. 2 TOP OF 3/4-IN HOLE IN CASING COVER, 0.92 FT ABOVE LSD (SINCE JULY 23, 1975).

RECORDS AVAILABLE 1953 - 1972, 1973 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 200.95 FEET BELOW LAND SURFACE DATUM JAN 17, 1954.

LOWEST WATER LEVEL 225.00 FEET BELOW LAND SURFACE DATUM NOV 17, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	211.51	S	SEP 12, 1986	214.26	S

MINIDOKA COUNTY -- CONTINUED

WELL 07S 25E 19BAA1 SITE NUMBER 424828113345201

FORMERLY SITE ID NO. 424824113345801, WELL NO. 07S 25E 19BAB1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 5 1/2 IN, REPORTED DEPTH 284 FT, 8-IN CASING 0-8 FT, 5 1/2-IN CASING 0-284 FT, PERFORATED 254-284 FT. LSD 4,320.43 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. JULY 14, 1981, WELL HAD FILLED IN TO A DEPTH OF 253.9 FT. RECORDER INSTALLED NOV. 3, 1953. RECORDER REMOVED OCT. 22, 1985. MP NO. 1 TOP OF 5 1/2-IN CASING NORTH SIDE, 0.60 FT ABOVE LSD (SINCE OCT. 29, 1953) .

RECORDS AVAILABLE 1953 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 231.76 FEET BELOW LAND SURFACE DATUM NOV 05, 1953.

LOWEST WATER LEVEL WELL DRY JUL 14, 1981; JUL 15, 1981; JUL 20, 1981; JUL 25, 1981; JUL 31, 1981; AUG 05, 1981; AUG 07, 1981; SEP 05, 1981; SEP 10, 1981; SEP 15, 1981; SEP 19, 1981; JUL 13, 1982; JUL 15, 1982; JUL 20, 1982; JUL 25, 1982; JUL 31, 1982; AUG 05, 1982; AUG 10, 1982; AUG 12, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	245.57		OCT 22, 1985	244.73	S	FEB 24, 1986	242.73	S	JUN 19, 1986	244.45	S
10	245.29		NOV 14	244.27	S	MAR 24	242.33	S	JUL 21	246.01	S
15	245.11		DEC 19	243.84	S	APR 21	242.27	S	AUG 20	245.45	S
20	244.76		JAN 22, 1986	244.39	S	MAY 21	243.08	S	SEP 12	245.10	S

WELL 08S 23E 27BDC1 SITE NUMBER 424201113452701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, REPORTED DEPTH 260 FT, CASED TO 21 FT. LSD 4,234.52 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER MEASUREMENTS FROM JUNE 10, 1949, THROUGH DEC. 20, 1949, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED MAY 20, 1949. RECORDER REMOVED DEC. 20, 1949. MP NO. 3 LOWER LIP OF 1-IN PIPE NORTH SIDE OF PUMP, 0.54 FT ABOVE LSD (SINCE MAR. 27, 1963).

RECORDS AVAILABLE 1948, 1949, 1950 - 1954, 1955 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.75 FEET BELOW LAND SURFACE DATUM DEC 01, 1953.

LOWEST WATER LEVEL 193.95 FEET BELOW LAND SURFACE DATUM SEP 08, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	184.51	S	SEP 12, 1986	191.05	P S

MINIDOKA COUNTY -- CONTINUED

WELL 08S 24E 31DAC1 SITE NUMBER 424053113412801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, REPORTED DEPTH 194 FT, 8-IN CASING 0-85 FT, 6-IN CASING 85-188 FT, PERFORATED 158-188 FT. LSD 4,226.54 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED SEPT. 20, 1950. RECORDER MAINTAINED, AND ITS RECORD FURNISHED BY US BUREAU OF RECLAMATION. PERIODIC MEASUREMENTS MADE BY US GEOL SURVEY. RECORDER REMOVED OCT. 22, 1985. MP NO. 1 TOP OF 8-IN CASING, 1.80 FT ABOVE LSD (SINCE SEPT. 6, 1950)

RECORDS AVAILABLE 1950 - 1976, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 140.50 FEET BELOW LAND SURFACE DATUM OCT 18, 1953.

LOWEST WATER LEVEL 162.37 FEET BELOW LAND SURFACE DATUM JUL 24, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	153.11	S	JAN 22, 1986	152.87	S	APR 21, 1986	152.07	S	JUL 21, 1986	155.62	S
NOV 26	152.66	S	FEB 24	151.66	S	MAY 21	152.93	S	AUG 20	154.86	S
DEC 19	153.03	S	MAR 24	151.80	S	JUN 19	153.88	S	SEP 22	153.21	S

WELL 08S 25E 16DAC1 SITE NUMBER 424334113320201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, REPORTED DEPTH 230 FT, CASING DEPTH NOT AVAILABLE. LSD 4,243.40 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 3 TOP OF 1-IN HOLE INSIDE PUMPBASE NORTH SIDE, 1.62 FT ABOVE LSD (SINCE MAY 25, 1977).

RECORDS AVAILABLE 1949 - 1955, 1956 TO CURRENT YEAR.

HIGHEST WATER LEVEL 148.37 FEET BELOW LAND SURFACE DATUM DEC 01, 1953.

LOWEST WATER LEVEL 167.88 FEET BELOW LAND SURFACE DATUM APR 12, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 24, 1986	157.35	S	SEP 12, 1986	161.01	S

WELL 08S 25E 36DAA1 SITE NUMBER 424102113282101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 TO 10 IN, REPORTED DEPTH 207 FT, 12-IN CASING 0-56 FT, 10-IN CASING 0-111 FT, PERFORATED, INTERVAL NOT AVAILABLE. LSD 4,209.00 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. APR. 16, 1985, WELL HAD FILLED IN TO A DEPTH OF 193.09 FT. MEASUREMENTS PRIOR TO MAR. 21, 1972, MADE BY US BUREAU OF RECLAMATION. RECORDER INSTALLED APR. 14, 1952. RECORDER REMOVED SEPT. 12, 1962. MP NO. 2 TOP OF 10-IN CASING, 0.63 FT ABOVE LSD (SINCE MAR. 12, 1952) .

RECORDS AVAILABLE 1951, 1952 - 1962, 1963 - 1972, 1973 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 97.04 FEET BELOW LAND SURFACE DATUM SEP 10, 1952.

LOWEST WATER LEVEL 114.26 FEET BELOW LAND SURFACE DATUM MAR 25, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 22, 1985	109.27	S	FEB 07, 1986	110.26	S	MAY 15, 1986	109.09	S	AUG 13, 1986	108.67	S
NOV 13	109.30	S	MAR 24	109.76	S	JUN 19	108.92	S	SEP 12	108.13	S
JAN 14, 1986	110.11	S	APR 21	109.38	S	JUL 18	109.00	S			

WELL 09S 22E 16CDB1 SITE NUMBER 423817113530201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 21 IN, DEPTH 297.0 FT, CASED TO 16 FT. LSD ABOUT 4,201 FT NGVD OF 1929. MAY 17, 1961, WELL WAS DEEPENED TO A REPORTED DEPTH 380 FT, DIAM 20 IN, CASED TO 20 FT. APR. 25, 1966, WELL WAS REAMED AND DEEPENED TO A REPORTED DEPTH OF 495 FT, 10-IN CASING 322-384 FT, 10-IN BORE 384-473 FT, 8-IN BORE 473-495 FT. MP NO. 2 TOP OF 1-IN TAP HOLE INSIDE PUMPBASE EAST SIDE, 0.70 FT ABOVE LSD (SINCE MAY 18, 1966).

RECORDS AVAILABLE 1952 - 1953, 1954 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 235.52 FEET BELOW LAND SURFACE DATUM MAR 23, 1954.

LOWEST WATER LEVEL 261.80 FEET BELOW LAND SURFACE DATUM SEP 24, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 26, 1986	248.08	S	SEP 12, 1986	255.27	S

WELL 09S 22E 33ADA1 SITE NUMBER 423604113522401

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH 252.5 FT, CASED TO 90 FT. LSD 4,190.42 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED JAN. 10, 1950. RECORDER REMOVED OCT. 16, 1950. MP NO. 5 TOP OF HOLE IN WELL SEAL NORTH SIDE, 2.80 FT ABOVE LSD (SINCE SEPT. 16, 1965).

RECORDS AVAILABLE 1948 - 1949, 1950, 1951 - 1954, 1955 TO CURRENT YEAR.

HIGHEST WATER LEVEL 226.07 FEET BELOW LAND SURFACE DATUM MAR 23, 1954.

LOWEST WATER LEVEL 241.18 FEET BELOW LAND SURFACE DATUM SEP 09, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 26, 1986	236.75	S	SEP 12, 1986	238.29	S

MINIDOKA COUNTY -- CONTINUED

WELL 09S 25E 03CAC1 SITE NUMBER 424003113313101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN. REPORTED DEPTH 300 FT, CASED TO 100 FT. LSD 4,206.45 FT NGVD OF 1929. RECORDER INSTALLED SEPT. 18, 1980. RECORDER REMOVED OCT. 22, 1985. MP NO. 1 TOP OF 6-IN CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE SEPT. 27, 1976).

RECORDS AVAILABLE 1976, 1977 - 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.94 FEET BELOW LAND SURFACE DATUM JUL 26, 1977.

LOWEST WATER LEVEL 50.51 FEET BELOW LAND SURFACE DATUM MAR 15, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	45.47	OCT 22, 1985	45.91	S	FEB 25, 1986	47.60	S	JUN 19, 1986	44.84	S
10	45.64	NOV 13	46.59	S	MAR 24	47.02	S	JUL 18	44.91	S
15	45.79	DEC 19	46.46	S	APR 21	46.40	S	AUG 13	44.47	S
20	45.88	JAN 22, 1986	47.94	S	MAY 15	45.57	S	SEP 12	43.68	S

WELL 10S 22E 10AAD1 SITE NUMBER 423422113511801

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 115 FT. MAY 31, 1965 WELL WAS REAMED TO 8 IN TO A DEPTH OF 84 FT, 6-IN CASING INSTALLED TO 95.5 FT. LSD ABOUT 4,196 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN WELL SEAL, WEST SIDE 0.70 FT ABOVE LSD (SINCE OCT. 17, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 81.67 FEET BELOW LAND SURFACE DATUM OCT 17, 1985.

LOWEST WATER LEVEL 84.34 FEET BELOW LAND SURFACE DATUM JUN 20, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 17, 1985	81.67	S	MAR 12, 1986	83.09	S	JUN 20, 1986	84.34	S	SEP 12, 1986	82.07	S
JAN 22, 1986	82.27	S	APR 21	84.05	S	JUL 21	83.97	S			
FEB 24	83.21	S	MAY 21	84.19	S	AUG 20	83.25	S			

MINIDOKA COUNTY -- CONTINUED

WELL 10S 24E 21ABB3 SITE NUMBER 423239113372001

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH AND CASING NOT AVAILABLE. LSD ABOUT 4,153 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN BROKEN PLASTIC PLUG IN WELL SEAL WEST SIDE, 1.00 FT ABOVE LSD (SINCE OCT. 24, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 7.16 FEET BELOW LAND SURFACE DATUM OCT 24, 1985.

LOWEST WATER LEVEL 9.37 FEET BELOW LAND SURFACE DATUM JAN 22, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
OCT 24, 1985	7.16	S	FEB 26, 1986	9.21	S	APR 21, 1986	9.11	R V	MAY 22, 1986	N
JAN 22, 1986	9.37	S	MAR 12	9.14	S	MAY 21	8.79	R S		

WELL 10S 24E 22BBB1 SITE NUMBER 423245113385001

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 10 TO 8 IN, DEPTH 304 FT, 1-IN CASING TO 285 FT, PERFORATED 240-242, 249-251, 271-272 FT, BACKFILLED WITH PEA GRAVEL 275-304 FT. LSD ABOUT 4,150 FT NGVD OF 1929. MP NO. 1 ACCESS HOLE IN WELL SEAL, 1.40 FT ABOVE LSD (SINCE FEB. 26, 1986).

RECORDS AVAILABLE 1986.

HIGHEST WATER LEVEL 54.31 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 56.74 FEET BELOW LAND SURFACE DATUM FEB 26, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL
FEB 26, 1986	56.74	S	APR 21, 1986	55.52	S	MAY 21, 1986	54.31	S	MAY 22, 1986	N
MAR 12	56.25	S								

NEZ PERCE COUNTY

WELL 35N 05W 16DAC1 SITE NUMBER 462225116575101

DRILLED UNUSED WATER-TABLE WELL IN COLUMBIA RIVER GROUP, DIAM 8 IN, REPORTED DEPTH 383 FT, CASED TO 136 FT. LSD ABOUT 1,500 FT NGVD OF 1929. MP NO. 2 TOP OF 1 1/2-IN PIPE COUPLING, 0.45 FT ABOVE LSD (SINCE AUG. 16, 1979).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 13.05 FEET BELOW LAND SURFACE DATUM SEP 13, 1970.

LOWEST WATER LEVEL 42.12 FEET BELOW LAND SURFACE DATUM APR 14, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 27, 1985	35.87	S	FEB 22, 1986	35.74	S	MAY 17, 1986	42.09	S	AUG 14, 1986	35.87	S
NOV 30	37.88	S	MAR 23	41.53	S	JUN 04	41.20	S	SEP 12	32.61	S
JAN 09, 1986	26.82	S	APR 26	41.79	S	JUL 15	37.75	S			

WELL 13S 33E 04ADD1 SITE NUMBER 421915112354601

FORMERLY SITE ID NO. 421917112354901. DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 4 IN, DEPTH 145.8 FT, CASED TO 122 FT. LSD ABOUT 5,153 FT NGVD OF 1929. MP NO. 1 TOP OF 4-IN CASING SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE MAY 5, 1947).

RECORDS AVAILABLE 1947, 1969 - 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.92 FEET BELOW LAND SURFACE DATUM SEP 25, 1986.

LOWEST WATER LEVEL 81.60 FEET BELOW LAND SURFACE DATUM MAY 05, 1947.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	48.21	S	SEP 25, 1986	40.92	S

WELL 13S 35E 36CCD1 SITE NUMBER 421434112191401

DRILLED UNUSED WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 4 IN, DEPTH 131 FT, CASED TO 131 FT. LSD ABOUT 4,853 FT NGVD OF 1929. MP NO. 1 TOP OF CASING, 0.80 FT ABOVE LSD (SINCE OCT. 25, 1946).

RECORDS AVAILABLE 1946 - 1959, 1962 - 1969, 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 72 [illegible] FEET BELOW LAND SURFACE DATUM MAR 20, 1985.

LOWEST WATER LEVEL 85.33 FEET BELOW LAND SURFACE DATUM APR 21, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	74.99	S	SEP 24, 1986	75.40	S

WELL 14S 35E 13DBA1 SITE NUMBER 421219112184101

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 14 IN, REPORTED DEPTH 289 FT, CASED TO 289 FT, PERFORATED OPPOSITE ALL GRAVELS 114-289 FT. LSD ABOUT 4,641 FT NGVD OF 1929. MP NO. 1 TOP OF 1/2-IN HOLE IN PUMPBASE WEST SIDE, 0.80 FT ABOVE LSD (SINCE MAR. 11, 1976).

RECORDS AVAILABLE 1943 - 1952, 1953 TO CURRENT YEAR.

HIGHEST WATER LEVEL 60.89 FEET BELOW LAND SURFACE DATUM MAR 05, 1986.

LOWEST WATER LEVEL 100.10 FEET BELOW LAND SURFACE DATUM NOV 11, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	60.89	S	SEP 24, 1986	60.90	S

WELL 15S 32E 09AAA2 SITE NUMBER 420819112425102

FORMERLY SITE ID NO. 420819112425402. DRILLED STOCK WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 10 IN, REPORTED DEPTH 270 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 5,040 FT NGVD OF 1929. MP NO. 1 TOP OF STEEL PLATE OVER 10-IN CASING, 0.70 FT ABOVE LSD (SINCE APR. 7, 1970).

RECORDS AVAILABLE 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 211.43 FEET BELOW LAND SURFACE DATUM APR 07, 1970.

LOWEST WATER LEVEL 218.24 FEET BELOW LAND SURFACE DATUM SEP 09, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	214.38	S	SEP 25, 1986	213.50	S

WELL 15S 35E 01DAA1 SITE NUMBER 420855112182301

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 3 IN, DEPTH 275 FT, CASED TO 249 FT. LSD 4,452.95 FT NGVD OF 1929. REPORTED FLOWING JULY 25, 1931. MP NO. 2 TOP OF 3-IN HORIZONTAL PIPE, 2.90 FT ABOVE LSD (SINCE SEPT. 23, 1981).

RECORDS AVAILABLE 1931, 1943 - 1976, 1977 - 1978, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 33.10 FEET ABOVE LAND SURFACE DATUM MAY 03, 1944.

LOWEST WATER LEVEL 8.46 FEET BELOW LAND SURFACE DATUM SEP 14, 1962.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	25.43	M	SEP 24, 1986	19.09	M

WELL 15S 35E 22AAB1 SITE NUMBER 420636112175201

DRILLED IRRIGATION WATER-TABLE WELL IN OLDER TERRACE GRAVEL, DIAM 10 IN, REPORTED DEPTH 229 FT, CASED TO 229 FT. LSD ABOUT 4,575 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN HOLE IN PUMPBASE SOUTHWEST SIDE, 0.90 FT ABOVE LSD (SINCE JUNE 18, 1963).

RECORDS AVAILABLE 1963 TO CURRENT YEAR.

HIGHEST WATER LEVEL 125.15 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 142.00 FEET BELOW LAND SURFACE DATUM SEP 15, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	127.20	S	SEP 24, 1986	125.15	S

WELL 15S 36E 22ABA1 SITE NUMBER 420638112140301

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 8 IN, DEPTH 100 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 4,419 FT NGVD OF 1929. MP NO. 1 TOP OF CASING COUPLING, 1.00 FT ABOVE LSD (SINCE SEPT. 15, 1963).

RECORDS AVAILABLE 1943 - 1952, 1953 - 1960, 1964 TO CURRENT YEAR.

HIGHEST WATER LEVEL 28.99 FEET ABOVE LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 12.03 FEET ABOVE LAND SURFACE DATUM SEP 15, 1963.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	24.98	E M	SEP 24, 1986	28.99	M

WELL 16S 30E 09ABB2 SITE NUMBER 420323112571202

DRILLED STOCK WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 10 TO 8 IN, REPORTED DEPTH 485 FT, 10-IN CASING 0-212 FT, 8-IN CASING 200-485 FT, PERFORATED 200-485 FT. LSD ABOUT 4,658 FT NGVD OF 1929. MP NO. 2 TOP OF 10-IN CASING NORTHWEST SIDE, 1.20 FT ABOVE LSD (SINCE SEPT. 21, 1970).

RECORDS AVAILABLE 1970, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 53.71 FEET BELOW LAND SURFACE DATUM SEP 25, 1986.

LOWEST WATER LEVEL 78.46 FEET BELOW LAND SURFACE DATUM JUN 19, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	54.32	S	SEP 25, 1986	53.71	S

WELL 16S 32E 27DAB1 SITE NUMBER 420027112415201

FORMERLY SITE ID NO. 420027112414201. DRILLED IRRIGATION WATER-TABLE WELL IN VALLEY FILL OF CENOZOIC AGE, DIAM 16 IN, REPORTED DEPTH 230 FT, CASED TO 214 FT, PERFORATED 30-214 FT. MP NO. 1 BOTTOM OF 1/4-IN HOLE OUTSIDE PUMPBASE NORTH SIDE, 1.00 FT ABOVE LSD (SINCE APR. 13, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.32 FEET BELOW LAND SURFACE DATUM MAR 05, 1986.

LOWEST WATER LEVEL 37.11 FEET BELOW LAND SURFACE DATUM SEP 12, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 05, 1986	15.32	S	SEP 25, 1986	20.30	S

WELL 03N 04W 30AAB1 SITE NUMBER 433423116511401

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 12 IN, REPORTED DEPTH 200 FT, CASED TO 135 FT, PERFORATED 63-71 FT. LSD ABOUT 2,305 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN PUMPBASE, 1.00 FT ABOVE LSD (SINCE SEPT. 16, 1977).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 53.04 FEET BELOW LAND SURFACE DATUM JAN 03, 1967.

LOWEST WATER LEVEL 58.44 FEET BELOW LAND SURFACE DATUM SEP 16, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	57.45	S	SEP 11, 1986	57.33	S

WELL 01S 03W 01BBC1 SITE NUMBER 432208116385701

FORMERLY WELL NO. 01S 03W 01BCB1. DRILLED IRRIGATION ARTESIAN WELL IN UNKNOWN AQUIFER, DIAM 3 IN, REPORTED DEPTH 1,800 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,290 FT NGVD OF 1929. MP NO. 1 TOP OF 2 1/2-IN HORIZONTAL PIPE, 2.50 FT ABOVE LSD (SINCE MAY 29, 1984).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.62 FEET ABOVE LAND SURFACE DATUM NOV 25, 1970.

LOWEST WATER LEVEL 5.23 FEET ABOVE LAND SURFACE DATUM MAR 20, 1984.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 25, 1986	6.76	E M	SEP 12, 1986	6.04	E M

WELL 04S 01E 30BBB1 SITE NUMBER 430310116233601

FORMERLY SITE ID NO. 430312116233701. DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 10 IN, REPORTED DEPTH 320 FT, CASED TO 32 FT. LSD ABOUT 2,803 FT NGVD OF 1929. MP NO. 3 BOTTOM OF HOLE IN CASING, 0.13 FT ABOVE LSD (SINCE MAR. 21, 1973).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 31.21 FEET BELOW LAND SURFACE DATUM MAR 12, 1970.

LOWEST WATER LEVEL 59.79 FEET BELOW LAND SURFACE DATUM MAY 19, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	
MAR 26, 1986	38.60	S

OWYHEE COUNTY -- CONTINUED

WELL 05S 01E 20DAD1 SITE NUMBER 425816116211701

FORMERLY SITE ID NO. 425807116211501, WELL NO. 05S 01E 20DDD1. DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 10 IN, REPORTED DEPTH 666 FT, CASED TO 74 FT. LSD ABOUT 2,799 FT NGVD OF 1929. MP NO. 1 HOLE IN EAST SIDE OF CASING, 1.50 FT ABOVE LSD (SINCE MAY 13, 1971).

RECORDS AVAILABLE 1967 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.70 FEET BELOW LAND SURFACE DATUM MAR 17, 1974.

LOWEST WATER LEVEL 58.20 FEET BELOW LAND SURFACE DATUM SEP 12, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 26, 1986	28.67 V S	SEP 17, 1986	43.78 S

WELL 06S 03E 14BCB1 SITE NUMBER 425414116043301

DRILLED UNUSED ARTESIAN WELL IN IDAHO GROUP, DIAM 4 IN, REPORTED DEPTH 1,342 FT, CASED TO 373 FT. LSD ABOUT 2,643 FT NGVD OF 1929. RECORDER INSTALLED MAY 26, 1967. RECORDER REMOVED NOV. 16, 1971. RECORDER INSTALLED JULY 7, 1977. RECORDER REMOVED JULY 30, 1986. MP NO. 4 TOP OF 4-IN CASING SOUTH SIDE, 0.10 FT BELOW LSD (SINCE JULY 14, 1971).

RECORDS AVAILABLE 1953 - 1966, 1967 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 4.90 FEET ABOVE LAND SURFACE DATUM APR 28, 1958.

LOWEST WATER LEVEL 64.97 FEET BELOW LAND SURFACE DATUM OCT 07, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01, 1985	52.10	NOV 25, 1985	45.05	JAN 20, 1986	38.61	MAY 25, 1986	31.53
05	51.68	30	44.35	25	38.22	31	33.46
10	50.93	DEC 05	43.79	31	37.60	JUN 05	35.89
15	50.33	10	43.20	FEB 05	37.07	10	36.98
20	49.68	15	42.63	10	36.57	15	38.11
25	48.99	20	42.09	15	36.01	20	39.54
31	48.26	25	41.49	20	35.46	25	41.32
NOV 05	47.57	31	40.72	25	35.11	30	43.28
10	46.88	JAN 05, 1986	40.11	MAR 26	32.54 S	JUL 05	52.74
15	46.34	10	39.63	APR 30	30.25 S	30	52.74 S
20	45.72	15	39.10	MAY 23	30.98	SEP 17	62.19 S

WELL 06S 04E 14ABC1 SITE NUMBER 425425115563801

DRILLED IRRIGATION ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 15 IN, REPORTED DEPTH 1,905 FT, CASED TO 1,600 FT. LSD ABOUT 2,665 FT NGVD OF 1929. MP NO. 4 BOTTOM EDGE OF 9/16-IN HOLE IN SOUTH SIDE OF CASING, 2.61 FT BELOW LSD (SINCE MAY 11, 1982).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.09 FEET BELOW LAND SURFACE DATUM APR 26, 1967.

LOWEST WATER LEVEL 86.35 FEET BELOW LAND SURFACE DATUM SEP 13, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 26, 1986	56.90 P S	JUL 30, 1986	158.25 P S	SEP 17, 1986	165.59 P S

WELL 06S 05E 24BCA1 SITE NUMBER 425323115484301

DRILLED DOMESTIC ARTESIAN WELL IN BANBURY FORMATION, DIAM 6 TO 4 IN, REPORTED DEPTH 1,095 FT, 6-IN CASING 0-23 FT, 4-IN CASING 23-76 FT. LSD ABOUT 2,525 FT NGVD OF 1929. MP NO. 2 TOP OF CHROME VALVE, 1.00 FT ABOVE LSD (SINCE OCT. 24, 1958).

RECORDS AVAILABLE 1953 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 54.84 FEET ABOVE LAND SURFACE DATUM JAN 22, 1986.

LOWEST WATER LEVEL 26.83 FEET ABOVE LAND SURFACE DATUM AUG 06, 1980.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26, 1985	53.80 M	MAR 25, 1986	50.34 M	JUL 30, 1986	53.80 E M	SEP 17, 1986	53.89 E M
JAN 22, 1986	54.84 M	MAY 14	54.74 M				

WELL 06S 05E 33DBB1 SITE NUMBER 425127115515501

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, REPORTED DEPTH 142 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,540 FT NGVD OF 1929. MP NO. 3 TOP OF 6-IN CASING, 0.65 FT ABOVE LSD (SINCE SEPT. 16, 1981).

RECORDS AVAILABLE 1953, 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.78 FEET BELOW LAND SURFACE DATUM FEB 08, 1967.

LOWEST WATER LEVEL 32.44 FEET BELOW LAND SURFACE DATUM SEP 21, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26, 1985	19.21 S	MAR 26, 1986	12.39 S	JUL 30, 1986	22.25 P S	SEP 08, 1986	15.95 S
JAN 22, 1986	13.96 S	MAY 23	17.74 S				

WELL 06S 05E 35CCA1 SITE NUMBER 425117115495501

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 25 IN, DEPTH 476 FT, CASED TO 230.5 FT, SCREENED 230.5-350.5 FT. LSD ABOUT 2,612 FT NGVD OF 1929. MP NO. 1 1/2-IN ACCESS HOLE OUTSIDE PUMPBASE EAST SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 16, 1985).

RECORDS AVAILABLE 1978, 1980 - 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 70.14 FEET BELOW LAND SURFACE DATUM APR 30, 1986.

LOWEST WATER LEVEL 83.38 FEET BELOW LAND SURFACE DATUM MAR 20, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 23, 1986	71.87	S	APR 30, 1986	70.14	S	JUN 23, 1986	74.03	S	AUG 19, 1986	71.86	V S
FEB 27	71.12	S	MAY 23	70.75	S	JUL 30	73.08	V S	SEP 17	70.20	V S
MAR 25	70.65	S									

WELL 06S 07E 08BBA1 SITE NUMBER 425524115391001

DRILLED DOMESTIC WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, DEPTH 365 FT, CASED TO 339.47 FT. LSD ABOUT 2,755 FT NGVD OF 1929. MP NO. 1 HOLE IN CASING SEAL WEST SIDE, 0.60 FT ABOVE LSD (SINCE MAR. 20, 1980).

RECORDS AVAILABLE 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 296.10 FEET BELOW LAND SURFACE DATUM JAN 23, 1986.

LOWEST WATER LEVEL 298.93 FEET BELOW LAND SURFACE DATUM MAY 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 23, 1986	296.10	V	MAR 25, 1986	296.78	V	MAY 23, 1986	296.70	V	JUL 29, 1986	297.36	S
FEB 27	296.81	V	APR 30	296.64	V	JUN 24	297.38	V	SEP 08	297.10	S

WELL 07S 04E 27BCC1 SITE NUMBER 424709115582301

FORMERLY SITE ID NO. 424710115572401. DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20-18-14-12-8 IN, DEPTH 1,390 FT, CASED TO 19 FT. LSD ABOUT 2,770 FT NGVD OF 1929. MP NO. 3 BOTTOM EDGE OF 1/2-IN HOLE IN 2-IN PIPE CAP, 1.16 FT ABOVE LSD (SINCE APR. 10, 1981).

RECORDS AVAILABLE 1978 - 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 95.00 FEET BELOW LAND SURFACE DATUM MAR 14, 1979.

LOWEST WATER LEVEL 106.30 FEET BELOW LAND SURFACE DATUM SEP 08, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 22, 1986	101.15	S	APR 30, 1986	101.51	S	JUN 23, 1986	208.85	P V	AUG 19, 1986	206.88	P V
FEB 25	100.54	S	MAY 23	102.72	S	JUL 30	105.71	S	SEP 08	106.30	S
MAR 25	99.70	S									

WELL 07S 05E 13CBB1 SITE NUMBER 424853115485401

FORMERLY SITE ID NO. 424853115485701. DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 30 IN, DEPTH 1,954 FT, 20-IN CASING 0-710 FT, 10-IN CASING 1,070-1,180 FT, 8-IN CASING 1,560-1,680 FT. PERFORATED 180-710 FT, 1,070-1,180 FT, 1,560-1,680 FT. LSD ABOUT 2,771 FT NGVD OF 1929. MP NO. 2 BOTTOM EDGE OF 1/2-IN HOLE OUTSIDE PUMPBASE SOUTH SIDE, 0.18 FT ABOVE LSD (SINCE AUG. 16, 1985).

RECORDS AVAILABLE 1978, 1979 - 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 100.66 FEET BELOW LAND SURFACE DATUM JAN 23, 1986.

LOWEST WATER LEVEL 153.53 FEET BELOW LAND SURFACE DATUM JUL 24, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 23, 1986	100.66 S	MAR 25, 1986	101.96 S	JUN 24, 1986	106.41 S	AUG 19, 1986	107.74 S
FEB 27	102.08 S	APR 30	103.17 S	JUL 30	106.70 S	SEP 17	118.18 S S

WELL 07S 05E 18BCD1 SITE NUMBER 424855115543701

FORMERLY SITE ID NO. 424858115543701. DRILLED IRRIGATION ARTESIAN WELL IN BANBURY FORMATION, DIAM 14 IN, REPORTED DEPTH 517 FT, CASED TO 254 FT, LSD ABOUT 2,643 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN DISCHARGE PIPE NORTH SIDE OF WELL (TOP PIPE IS 2.40 ABOVE HOSE BIB PIPE), 3.60 ABOVE LSD, (SINCE AUG. 21, 1985).

RECORDS AVAILABLE 1954 - 1967, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 61.30 FEET ABOVE LAND SURFACE DATUM JAN 08, 1954.

LOWEST WATER LEVEL 27.36 FEET ABOVE LAND SURFACE DATUM JUN 23, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 23, 1986	34.38 M	MAR 25, 1986	35.64 M	MAY 23, 1986	27.94 M	JUL 01, 1986	N
FEB 25	34.93 M	APR 30	34.74 M	JUN 23	27.36 M		

WELL 07S 06E 09BAD2 SITE NUMBER 425004115445302

DRILLED IRRIGATION AND DOMESTIC WELL IN BANBURY FORMATION, DIAM 8 IN, REPORTED DEPTH 960 FT, CASED TO 80 FT. LSD ABOUT 2,578 FT NGVD OF 1929. MP NO. 1 TOP OF 10-IN ELBOW, 1.50 FT ABOVE LSD (SINCE JULY 28, 1953).

RECORDS AVAILABLE 1953 - 1967, 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 59.30 FEET ABOVE LAND SURFACE DATUM FEB 24, 1954.

LOWEST WATER LEVEL 3.43 FEET ABOVE LAND SURFACE DATUM SEP 16, 1981.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26, 1985	20.00 E M	MAR 25, 1986	38.94 M	JUL 30, 1986	23.05 E M	SEP 17, 1986	14.79 E M
JAN 22, 1986	25.44 M	MAY 14	41.74 M				

WELL 07S 06E 21DBC1 SITE NUMBER 424752115444701

DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 14 TO 10 IN, DEPTH 760 FT, 14-IN CASING 0-85 FT, 10-IN CASING 0-167 FT. LSD ABOUT 2,631 FT NGVD OF 1929. MP NO. 2 TOP OF 5/8-IN BOLTS IN STEEL COVER EAST SIDE, 2.92 FT ABOVE LSD (SINCE AUG. 17, 1985).

RECORDS AVAILABLE 1978, 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.66 FEET ABOVE LAND SURFACE DATUM MAR 26, 1966.

LOWEST WATER LEVEL 24.61 FEET ABOVE LAND SURFACE DATUM SEP 17, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 23, 1986	33.25 M	APR 30, 1986	33.36 M	JUN 24, 1986	30.85 M	AUG 22, 1986	23.38 E M
FEB 27	33.85 M	MAY 23	27.66 M	JUL 30	26.32 E M	SEP 17	24.61 M
MAR 25	34.66 M						

WELL 07S 06E 26BDA1 SITE NUMBER 424718115422801

FORMERLY WELL NO. 7S 6E 26ACB1. DRILLED IRRIGATION ARTESIAN WELL IN UNKNOWN AQUIFER, DEPTH, DIAM INFORMATION UNAVAILABLE, 8 IN CASING TO UNKNOWN DEPTH. LSD ABOUT 2,655 FT NGVD OF 1929. MP NO. 1 TOP OF 5-IN DISCHARGE PIPE 1.00 FT FROM FLANGE, 2.00 ABOVE LSD (SINCE APRIL 8, 1981).

RECORDS AVAILABLE 1981, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 47.66 FEET ABOVE LAND SURFACE DATUM APR 08, 1981.

LOWEST WATER LEVEL 41.28 FEET ABOVE LAND SURFACE DATUM MAY 23, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 23, 1986	44.23 M	MAR 25, 1986	45.14 M	MAY 23, 1986	41.28 M	JUL 01, 1986	N
FEB 27	44.73 M	APR 30	44.74 M				

WELL 08S 11E 33BCD1 SITE NUMBER 424121115103601

FORMERLY SITE ID NO. 424119115105601, WELL NO. 08S 11E 33CBA1. DRILLED STOCK WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 290 FT, CASED TO 290 FT, PERFORATED 250-285 FT. LSD ABOUT 3,168 FT NGVD OF 1929. MP NO. 1 TOP OF HOLE IN CASING COVER, 1.30 FT ABOVE LSD (SINCE FEB. 9, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 165.97 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 171.69 FEET BELOW LAND SURFACE DATUM FEB 09, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17, 1986	166.40 S	SEP 10, 1986	165.97 S

WELL 09S 12E 29BBA1 SITE NUMBER 423719115044701

DRILLED IRRIGATION WELL IN UNKNOWN AQUIFER, DIAM 18 IN, REPORTED DEPTH BETWEEN 1,350-1,500 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,605 FT NGVD OF 1929. MP NO. 1 TOP OF 18-IN CASING EAST SIDE, 0.60 FT ABOVE LSD (SINCE JULY 11, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 222.55 FEET BELOW LAND SURFACE DATUM MAR 17, 1986.

LOWEST WATER LEVEL 272.99 FEET BELOW LAND SURFACE DATUM AUG 11, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 10, 1986	229.90	S	MAY 09, 1986	232.71	S V	AUG 11, 1986	272.99	S	SEP 10, 1986	262.97	V
MAR 17	222.55	S	JUL 16	268.62	V						

PAYETTE COUNTY

WELL 08N 05W 03BAD1 SITE NUMBER 440402116552801

DRILLED IRRIGATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 12 IN, DEPTH 25.5 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,156 FT NGVD OF 1929. MP NO. 1 TOP OF 12-IN CASING NORTH SIDE, 0.20 FT ABOVE LSD (SINCE MAR. 8, 1967).

RECORDS AVAILABLE 1967 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.33 FEET BELOW LAND SURFACE DATUM JUL 23, 1968.

LOWEST WATER LEVEL 9.75 FEET BELOW LAND SURFACE DATUM MAY 21, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	7.19	S	MAR 24, 1986	7.30	S	JUL 28, 1986	8.22	P S	SEP 16, 1986	4.99	S
JAN 21, 1986	8.37	S	MAY 13	6.90	S						

WELL 08N 04W 33ACA1 SITE NUMBER 435833116485901

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 25.5 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,211 FT NGVD OF 1929. RECORDER INSTALLED MAY 17, 1967. RECORDER CHANGED TO DIGITAL MAR. 25, 1975. RECORDER REMOVED JULY 26, 1983. MP NO. 1 TOP OF 6-IN CASING EAST SIDE, 0.50 FT ABOVE LSD (SINCE MAY 11, 1967).

RECORDS AVAILABLE 1967 - 1983, 1984 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.51 FEET BELOW LAND SURFACE DATUM JUL 18, 1971.

LOWEST WATER LEVEL 10.51 FEET BELOW LAND SURFACE DATUM APR 16, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 27, 1985	9.37	S	MAR 24, 1986	7.41	S	JUL 28, 1986	5.67	S	SEP 16, 1986	4.53	S
JAN 21, 1986	10.00	S	MAY 13	5.46	S						

WELL 05S 28E 26BBD1 SITE NUMBER 425746113093301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 760.6 FT, CASED TO 760.6 FT, PERFORATED 730.6-760.6 FT. LSD 4,941.00 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1962. MP NO. 1 TOP OF 2-IN PIPE COUPLING, 2.20 FT ABOVE LSD (SINCE SEPT. 23, 1970).

RECORDS AVAILABLE 1970 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 678.19 FEET BELOW LAND SURFACE DATUM MAR 29, 1973.

LOWEST WATER LEVEL 685.09 FEET BELOW LAND SURFACE DATUM SEP 17, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	680.79	S	MAY 14, 1986	678.98	S	JUL 24, 1986	680.29	S	SEP 25, 1986	681.28	S
MAR 20, 1986	679.49	S									

WELL 05S 33E 35CDC1 SITE NUMBER 425608112340901

FORMERLY SITE ID NO. 425608112335301, WELL NO. 05S 33E 35CCD1. DRILLED OBSERVATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 60 FT, CASED TO 60 FT, OPEN BOTTOM. LSD 4,424.58 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED JULY 23, 1957. RECORDER REMOVED SEPT. 20, 1969. DIGITAL RECORDER INSTALLED JULY 21, 1977. MP NO. 2 TOP OF CASING NORTHEAST SIDE, 2.10 FT ABOVE LSD (SINCE MAR. 22, 1955).

RECORDS AVAILABLE 1955 - 1956, 1957 - 1969, 1970 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.02 FEET BELOW LAND SURFACE DATUM OCT 16, 1984.

LOWEST WATER LEVEL 28.81 FEET BELOW LAND SURFACE DATUM JUL 19, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	23.34	JAN 10, 1986	24.12	APR 15, 1986	23.56	JUL 15, 1986	25.33
10	23.28	15	24.06	20	23.58	20	24.97
15	23.26	20	23.99	25	23.45	25	25.00
20	23.27	25	24.17	30	23.45	31	24.44
25	23.30	31	24.08	MAY 05	23.45	AUG 05	24.08
31	23.33	FEB 05	24.05	10	23.29	10	24.07
NOV 05	23.43	10	24.09	15	23.24	15	24.14
10	23.41	15	24.02	20	23.57	20	24.12
15	23.53	20	23.82	25	23.91	25	23.81
20	23.55	25	23.86	31	24.54	31	24.04
25	23.50	28	23.82	JUN 05	24.92	SEP 05	24.03
30	23.61	MAR 05	23.80	10	24.50	10	23.60
DEC 05	23.75	10	23.72	15	24.73	15	23.48
10	23.78	15	23.77	20	25.58	20	23.23
15	23.90	20	23.78	25	25.70	24	23.05
20	23.85	25	23.75	28	26.15	25	23.11
25	24.01	31	23.75	30	25.40	30	23.09
31	24.02	APR 05	23.62	JUL 05	25.43		
JAN 05, 1986	24.03	10	23.64	10	[illegible]		

WELL 06S 29E 15BBC1 SITE NUMBER 425412113035601

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER. DIAM AND DEPTH INFORMATION NOT AVAILABLE, 22-IN CASING 0-5 FT. LSD ABOUT 4,730 FT NGVD OF 1929. MP NO. 1 TOP OF CASING WEST SIDE, 0.20 FT ABOVE LSD (SINCE APR. 14, 1984).

RECORDS AVAILABLE 1984, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 409.72 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 414.41 FEET BELOW LAND SURFACE DATUM AUG 19, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAY 14, 1986	409.72	S	JUL 24, 1986	414.26	S	AUG 19, 1986	414.41	S	SEP 25, 1986	413.66	S
JUN 12	411.00	S									

WELL 06S 32E 27ADC1 SITE NUMBER 425216112414301

FORMERLY SITE ID NO. 425218112413901, WELL NO. 06S 32E 27ADD1. DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 6 IN, DEPTH 62.7 FT, CASED TO 73 FT, PERFORATED 63-66 FT, CASING FILLED WITH SAND AND GRAVEL 63-73 FT. LSD 4,416.70 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED FEB. 4, 1955. RECORDER REMOVED JAN. 15, 1969. DIGITAL RECORDER INSTALLED JULY 20, 1977. MP NO. 2 TOP OF 6-IN CASING NORTH SIDE, 2.30 FT ABOVE LSD (SINCE JAN. 12, 1955).

RECORDS AVAILABLE 1954, 1955 - 1969, 1970 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 28.52 FEET BELOW LAND SURFACE DATUM MAY 14, 1984.

LOWEST WATER LEVEL 39.86 FEET BELOW LAND SURFACE DATUM OCT 15, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 05, 1985	33.26	DEC 31, 1985	31.77	MAR 25, 1986	29.65	JUN 20, 1986	30.48	
10	33.22	JAN 05, 1986	31.71	31	29.52	25	30.83	
15	33.18	10	31.66	APR 05	29.41	30	31.22	
20	33.13	15	31.60	10	29.33	JUL 05	31.55	
25	33.05	20	31.54	15	29.26	10	31.76	
31	32.96	25	31.48	20	29.20	15	31.96	
NOV 05	32.87	31	31.41	25	29.14	20	32.02	
10	32.79	FEB 05	31.34	30	29.07	25	32.00	
15	32.68	10	31.24	MAY 05	29.01	31	31.88	
20	32.59	15	31.13	10	29.03	AUG 05	31.75	
25	32.48	20	30.97	15	29.03	10	31.57	
30	32.33	25	30.76	20	29.02	15	31.39	
DEC 05	32.22	28	30.63	25	29.12	20	31.29	
10	32.11	MAR 05	30.38	31	29.35	SEP 17	31.33	S
15	32.02	10	30.12	JUN 05	29.61	20	31.23	
20	31.93	15	29.93	10	29.97	25	31.19	
25	31.86	20	29.78	15	30.25	30	31.04	

WELL 07S 29E 12CCC1 SITE NUMBER 424916113011901

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 10 TO 8 IN, DEPTH 280 FT, CASED TO 13 FT. LSD ABOUT 4,565 FT NGVD OF 1929. MP NO. 1 TOP OF CASING WEST SIDE, 0.80 FT ABOVE LSD (SINCE JAN. 21, 1986).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 252.29 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 257.05 FEET BELOW LAND SURFACE DATUM JUL 28, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	253.60	S	APR 29, 1986	252.53	S	JUN 12, 1986	253.67	S	AUG 19, 1986	256.99	S
FEB 13	253.03	S	MAY 14	252.29	S	JUL 28	257.05	S	SEP 17	256.41	S
MAR 20	252.70	S									

WELL 07S 30E 24DDC1 SITE NUMBER 424730112531701

FORMERLY SITE ID NO. 424732112532001. DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, REPORTED DEPTH 215 FT, CASED TO 187 FT. LSD 4,394.33 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. RECORDER INSTALLED MAY 25, 1961. RECORDER REMOVED SEPT. 15, 1962. MP NO. 3 TOP OF 1-IN HOLE INSIDE PUMPBASE WEST SIDE, 1.00 FT ABOVE LSD (SINCE AUG. 7, 1978).

RECORDS AVAILABLE 1953, 1961 - 1962, 1963 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 51.98 FEET BELOW LAND SURFACE DATUM MAR 19, 1970.

LOWEST WATER LEVEL 76.26 FEET BELOW LAND SURFACE DATUM SEP 09, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 16, 1985	65.38	S	JAN 09, 1986	58.72	S	APR 25, 1986	53.90	S	JUL 28, 1986	57.41	S
NOV 14	62.09	S	FEB 13	56.84	S	MAY 14	53.03	S	AUG 19	58.40	S
DEC 20	59.43	S	MAR 20	55.23	S	JUN 12	55.87	S	SEP 17	58.47	S

WELL 07S 30E 28BBC1 SITE NUMBER 424717112574501

FORMERLY SITE ID NO. 424720112574701. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 287.8 FT, CASED TO 3 FT. LSD 4,533.55 FT NGVD OF 1929. ORIGINAL WELL DIAM 18 TO 12 IN, DEPTH 518 FT. CASING WAS PULLED EXCEPT FOR A PIECE THAT IS BELOW WATER LEVEL, HOLE THEN FILLED TO PRESENT DEPTH. RECORDER INSTALLED MAY 25, 1961. RECORDER REMOVED JAN. 15, 1969. RECORDER INSTALLED NOV. 12, 1982. RECORDER REMOVED OCT. 31, 1984. MP NO. 1 TOP OF CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE MAY 23, 1961).

RECORDS AVAILABLE 1961 - 1969, 1970 - 1971, 1972 - 1981, 1982 - 1984, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 192.46 FEET BELOW LAND SURFACE DATUM APR 24, 1985.

LOWEST WATER LEVEL 207.80 FEET BELOW LAND SURFACE DATUM JUL 19, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14 1985	196.42	S	MAR 20, 1986	193.97	S	JUL 28, 1986	201.69	S	SEP 17, 1986	199.19	S
JAN 09, 1986	195.33	S	MAY 14	193.00	S						

POWER COUNTY -- CONTINUED

WELL 08S 28E 01AAA2 SITE NUMBER 424543113071002

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 350 FT, CASED TO 201 FT. LSD 4,495 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 5/8-IN HOLE IN WELL SEAL WEST SIDE, 1.80 FT ABOVE LSD (SINCE NOV. 14, 1985).

RECORDS AVAILABLE 1984, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 226.30 FEET BELOW LAND SURFACE DATUM MAY 16, 1986.

LOWEST WATER LEVEL 230.59 FEET BELOW LAND SURFACE DATUM SEP 18, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	228.83	S	MAR 18, 1986	226.84	S	MAY 16, 1986	226.30	S	JUL 28, 1986	230.39	S
JAN 15, 1986	227.67	S	APR 25	226.47	S	JUN 12	227.22	S	SEP 18	230.59	S
FEB 13	227.19	S									

WELL 08S 29E 21ADD2 SITE NUMBER 424245113034101

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 8 IN, DEPTH 220 FT, CASED TO 20 FT. LSD 4,436.45 FT NGVD OF 1929, PACIFIC NORTHWEST ADJUSTMENT OF 1947. MP NO. 1 TOP OF HOLE IN WELL SEAL SOUTH SIDE, 0.30 FT ABOVE LSD (SINCE NOV. 10, 1982).

RECORDS AVAILABLE 1982 - 1984, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 185.41 FEET BELOW LAND SURFACE DATUM MAY 15, 1986.

LOWEST WATER LEVEL 192.80 FEET BELOW LAND SURFACE DATUM JUL 13, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 13, 1985	187.76	S	MAR 18, 1986	186.00	S	JUN 12, 1986	187.99	S	SEP 18, 1986	188.32	S
JAN 09, 1986	187.00	S	APR 29	185.70	S	JUL 28	190.90	S			
FEB 13	190.26	S	MAY 15	185.41	S	AUG 19	189.32	S			

WELL 08S 29E 34CBC1 SITE NUMBER 424052113033901

DRILLED OBSERVATION WATER-TABLE WELL IN RAFT FORMATION, DIAM 4 TO 3 IN, DEPTH 665 FT, 4-IN CASING 0-170 FT, 3-IN CASING 313-665 FT, CONCRETE SEAL 665-673 FT. LSD 4,389.34 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 4-IN CASING EAST SIDE AT LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 138.08 FEET BELOW LAND SURFACE DATUM MAR 23, 1972.

LOWEST WATER LEVEL 151.31 FEET BELOW LAND SURFACE DATUM DEC 02, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	148.79	S	MAR 18, 1986	148.02	S	JUL 28, 1986	148.25	S	SEP 18, 1986	148.20	S
JAN 09, 1986	148.36	S	MAY 15	147.56	S						

WELL 08S 29E 34CBC2 SITE NUMBER 424052113033902

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF PLIOCENE AGE, DIAM 3 IN, DEPTH 818 FT, 3-IN CASING 313-818 FT, PERFORATED 697-702 FT, 3/4-IN PIEZOMETER TUBE 0-704 FT, PERFORATED 696.5-701.5 FT, CASING FILLED WITH GRAVEL 673-818 FT, CONCRETE SEAL 665-573 FT, 818-826 FT. LSD 4,389.34 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 3/4-IN PIPE EAST SIDE, 1.44 FT ABOVE LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 149.08 FEET BELOW LAND SURFACE DATUM OCT 30, 1975.

LOWEST WATER LEVEL 156.78 FEET BELOW LAND SURFACE DATUM JULY 28, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	155.84	S	MAR 18, 1986	155.71	S	JUL 28, 1986	156.78	S	SEP 18, 1986	156.68	S
JAN 09, 1986	155.79	S	MAY 15	155.98	S						

WELL 08S 29E 34CBC3 SITE NUMBER 424052113033903

DRILLED OBSERVATION ARTESIAN WELL IN STARLIGHT FORMATION, DIAM 3 IN, DEPTH 1,028.1 FT, 3-IN CASING 826-899 FT, PERFORATED 852-858 FT, 1-IN PIEZOMETER TUBE 0-861 FT, PERFORATED 853.5-858.5 FT, CASING AND HOLE FILLED WITH GRAVEL 826-1,028.1 FT, CONCRETE SEAL 818-826 FT. LSD 4,389.34 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 1 TOP OF 1-IN PIPE EAST SIDE, 1.06 FT ABOVE LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 57.80 FEET BELOW LAND SURFACE DATUM DEC 02, 1970.

LOWEST WATER LEVEL 100.37 FEET BELOW LAND SURFACE DATUM SEP 18, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	99.53	S	MAR 18, 1986	99.87	S	JUL 28, 1986	100.27	S	SEP 18, 1986	100.37	S
JAN 09, 1986	99.71	S	MAY 15	100.07	S						

WELL 08S 30E 23DCC1 SITE NUMBER 424220112544601

FORMERLY SITE ID NO. 424359112540801, WELL NO. 08S 30E 23DCD1. DRILLED UNUSED WATER-TABLE WELL IN NEELEY FORMATION, DIAM 5 IN, DEPTH 273 FT, CASED TO 28 FT. LSD 4,511.5 FT NGVD OF 1929. MP NO. 1 TOP OF CASING SOUTHWEST SIDE, 0.40 FT ABOVE LSD (SINCE AUG. 17, 1949).

RECORDS AVAILABLE 1949, 1950 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 204.88 FEET BELOW LAND SURFACE DATUM OCT 16, 1961.

LOWEST WATER LEVEL 214.80 FEET BELOW LAND SURFACE DATUM AUG 17, 1949.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 18, 1986	206.71	S	SEP 17, 1986	206.14	S

WELL 08S 31E 04CBB1 SITE NUMBER 424512112505201

DRILLED UNUSED WATER-TABLE WELL IN SUNBEAM FORMATION, DIAM 6 IN, DEPTH 277.0 FT, CASED TO 16 FT. LSD 4,568.4 FT NGVD OF 1929. MP NO. 1 TOP OF CASING EAST SIDE, 0.50 FT ABOVE LSD (SINCE AUG. 19, 1949).

RECORDS AVAILABLE 1949, 1950 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 232.57 FEET BELOW LAND SURFACE DATUM JUN 21, 1950.

LOWEST WATER LEVEL 245.01 FEET BELOW LAND SURFACE DATUM SEP 20, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 18, 1986	237.93	S	SEP 17, 1986	239.81	S

WELL 09S 28E 18BAD1 SITE NUMBER 423837113134301

DRILLED OBSERVATION WATER-TABLE WELL IN RAFT FORMATION, DEPTH 150 FT, 1-IN PIEZOMETER TUBE 0-25 FT, PERFORATED 17.5-22.5 FT. LSD 4,216.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF 1-IN PIPE EAST SIDE, 1.21 FT ABOVE LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.69 FEET BELOW LAND SURFACE DATUM JUN 03, 1976.

LOWEST WATER LEVEL 14.52 FEET BELOW LAND SURFACE DATUM MAR 20, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	12.69	S	MAR 18, 1986	12.61	S	JUL 28, 1986	12.09	S	SEP 18, 1986	12.27	S
JAN 09, 1986	13.19	S	MAY 15	12.20	S						

WELL 09S 28E 18BAD2 SITE NUMBER 423837113134302

DRILLED OBSERVATION ARTESIAN WELL IN RAFT FORMATION, DEPTH 505 FT, 3/4-IN PIEZOMETER TUBE 0-420 FT, PERFORATED 412.5-417.5 FT, GRAVEL FILL 318-505 FT, CONCRETE SEAL 280-318 FT, 505-518 FT. LSD 4,216.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF 3/4-IN PIPE EAST SIDE, 1.63 FT ABOVE LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.93 FEET ABOVE LAND SURFACE DATUM MAY 04, 1971.

LOWEST WATER LEVEL 14.14 FEET BELOW LAND SURFACE DATUM NOV 17, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	13.22	S	MAR 18, 1986	11.91	S	JUL 28, 1986	10.95	S	SEP 18, 1986	11.94	S
JAN 09, 1986	12.84	S	MAY 15	10.79	S						

WELL 09S 28E 18BAD3 SITE NUMBER 423837113134303

DRILLED OBSERVATION ARTESIAN WELL IN STARLIGHT FORMATION, DEPTH 1,013.7 FT, 1-IN PIEZOMETER TUBE 0-554 FT, PERFORATED 546.5-551.5 FT, GRAVEL FILL 518-1,013.7 FT, CONCRETE SEAL 505-518 FT. LSD 4,216.80 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF 1-IN PIPE, 1.30 FT ABOVE LSD (SINCE DEC. 2, 1970).

RECORDS AVAILABLE 1970, 1971 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 30.01 FEET BELOW LAND SURFACE DATUM JULY 23, 1986.

LOWEST WATER LEVEL 67.62 FEET BELOW LAND SURFACE DATUM DEC 02, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	30.35	S	MAR 18, 1986	30.25	S	JUL 28, 1986	30.01	S	SEP 18, 1986	29.94	S
JAN 09, 1986	30.34	S	MAY 15	30.15	S						

WELL 09S 29E 04BCA1 SITE NUMBER 424013113043801

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 5 IN, DEPTH 52.6 FT, CASED TO 51.6 FT. LSD 4,226.66 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. RECORDER INSTALLED OCT. 1, 1984. RECORDER REMOVED JULY 28, 1986. MP NO. 1 TOP OF 5-IN CASING NORTHEAST SIDE, 0.20 FT ABOVE LSD (SINCE NOV. 11, 1982).

RECORDS AVAILABLE 1956, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.39 FEET BELOW LAND SURFACE DATUM OCT 18, 1956.

LOWEST WATER LEVEL 9.29 FEET BELOW LAND SURFACE DATUM AUG 28, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	6.56		NOV 14, 1985	5.61	S	MAY 15, 1986	4.34	S	JUL 28, 1986	7.56	S
10	6.42		JAN 09, 1986	5.18	S	20	4.82		SEP 18	6.83	S
15	6.34		MAR 18	3.30	S	25	4.57				
20	6.13		20	3.80		31	5.70				
25	5.92		25	3.80		JUN 02	5.95				

WELL 09S 29E 18CDA1 SITE NUMBER 423808113063601

DRILLED DOMESTIC WATER-TABLE WELL IN WALCOTT TUFF, DIAM 6 IN, REPORTED DEPTH 250 FT, CASED TO 240 FT. LSD 4,249.34 FT NGVD OF 1929, SUPPLEMENTARY ADJUSTMENT OF 1961. MP NO. 1 TOP OF HOLE IN WELL SEAL NORTHWEST SIDE, 2.00 FT ABOVE LSD (SINCE NOV. 10, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 38.34 FEET BELOW LAND SURFACE DATUM MAY 14, 1984.

LOWEST WATER LEVEL 42.76 FEET BELOW LAND SURFACE DATUM JUL 17, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 14, 1985	40.32	S	MAR 18, 1986	44.76	P S	JUL 28, 1986	41.64	S	SEP 18, 1986	40.80	S
JAN 09, 1986	40.27	S	MAY 15	40.30	S						

WELL 10S 31E 05DAD1 SITE NUMBER 423439112505701

BORED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 16.8 FT, CASED TO 16.8 FT, SAND POINT 14.3-16.8 FT. LSD ABOUT 4,750 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE, 1.60 FT ABOVE LSD (SINCE MAY 9, 1978).

RECORDS AVAILABLE 1978 - 1980, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.03 FEET BELOW LAND SURFACE DATUM JUL 28, 1986.

LOWEST WATER LEVEL 11.84 FEET BELOW LAND SURFACE DATUM MAY 09, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	7.96	S	MAR 18, 1986	7.57	S	JUL 28, 1986	6.03	S	SEP 18, 1986	6.95	S
JAN 09, 1986	8.14	S	MAY 15	7.62	S						

WELL 10S 31E 29BBA1 SITE NUMBER 423151112515201

BORED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 17.4 FT, CASED TO 17.4 FT, SAND POINT 15.4-17.4 FT. LSD ABOUT 4,730 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4 IN PIPE, 3.20 FT ABOVE LSD (SINCE MAY 10, 1978).

RECORDS AVAILABLE 1978 - 1980, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 8.28 FEET BELOW LAND SURFACE DATUM JUL 17, 1985.

LOWEST WATER LEVEL 15.31 FEET BELOW LAND SURFACE DATUM MAY 10, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 15, 1985	10.46	S	MAR 18, 1986	12.01	S	JUL 28, 1986	9.09	S	SEP 17, 1986	9.89	S
JAN 09, 1986	10.17	S	MAY 15	12.98	S						

WELL 06N 44E 22DDC1 SITE NUMBER 434936111143601

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, DEPTH 257.5 FT, CASED TO 242 FT. LSD 6,027.70 FT NGVD OF 1929. MP NO. 1 TOP OF CASING, 1.65 FT ABOVE LSD (SINCE JULY 18, 1958).

RECORDS AVAILABLE 1958 - 1971, 1972 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 177.68 FEET BELOW LAND SURFACE DATUM MAR 17, 1972.

LOWEST WATER LEVEL 201.69 FEET BELOW LAND SURFACE DATUM APR 23, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 18, 1986	196.60	S	JUL 14, 1986	187.47	S	SEP 17, 1986	194.67	S

WELL 04N 45E 13ADA1 SITE NUMBER 434032111045001

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 304.0 FT, CASED TO 301 FT, PERFORATED 230-240 FT, 255-295 FT. LSD 6,275.39 FT NGVD OF 1929, WESTERN WYOMING SUPPLEMENTARY ADJUSTMENT OF 1940. RECORDER INSTALLED JULY 24, 1959. RECORDER REMOVED NOV. 24, 1971. DIGITAL RECORDER INSTALLED JUNE 6, 1977. RECORDER REMOVED JULY 14, 1986. MP NO. 3 TOP OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE JULY 25, 1959).

RECORDS AVAILABLE 1958, 1959 - 1971, 1972 - 1976, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 122.79 FEET BELOW LAND SURFACE DATUM JUN 30, 1971.

LOWEST WATER LEVEL 203.52 FEET BELOW LAND SURFACE DATUM MAR 29, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 05, 1985	192.50	DEC 20, 1985	196.60	MAR 05, 1986	199.50	MAY 20, 1986	181.36	
10	192.46	25	196.72	10	199.31	25	181.04	
15	192.73	31	196.85	15	198.63	31	178.79	
20	193.29	JAN 05, 1986	197.09	20	197.68	JUN 05	166.09	
25	193.90	10	197.34	25	196.53	10	148.77	
31	194.58	15	197.57	31	195.08	15	139.52	
NOV 05	195.12	20	197.85	APR 05	193.63	20	133.62	
10	195.12	25	198.25	10	191.59	25	131.42	
15	195.07	31	198.54	15	189.25	30	130.93	
20	195.12	FEB 05	198.82	20	187.54	JUL 05	132.19	
25	195.52	10	199.04	25	185.99	10	135.84	
30	196.03	15	199.18	30	185.22	14	139.45	S
DEC 05	196.38	20	199.48	MAY 05	183.88	SEP 17	181.58	S
10	196.57	25	199.62	10	182.27			
15	196.58	28	199.66	15	182.11			

WELL 06S 13E 18ABC1 SITE NUMBER 425421114572901

DRILLED UNUSED ARTESIAN WELL IN UNKNOWN AQUIFER, REPORTED DEPTH 2,000 FT, DIAM INFORMATION UNAVAILABLE, CASING FROM 12 TO 8 IN, DEPTH UNAVAILABLE, LSD ABOUT 2,830 FT NGVD OF 1929. BRISTOL RECORDER INSTALLED SEPT. 24, 1985. MP NO. 2 CENTER OF 4-IN PRESSURE GAGE, 2.17 FT ABOVE LSD (SINCE AUG. 14, 1985).

RECORDS AVAILABLE 1983 - 1984, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 74.6 FEET ABOVE LAND SURFACE DATUM SEP 08, 1986; SEP 12, 1986; SEP 14, 1986; SEP 15, 1986.

LOWEST WATER LEVEL 64.4 FEET ABOVE LAND SURFACE DATUM OCT 01, 1985.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01, 1985	64.4	DEC 31, 1985	68.3	APR 30, 1986	70.2	AUG 10, 1986	73.7
05	67.2	JAN 05, 1986	68.8	MAY 05	70.5	15	74.2
09	67.2	08	69.5	10	70.0	18	73.7
18	68.8	FEB 10	70.2	15	70.4	20	73.9
20	68.6	15	70.0	20	70.9	25	73.4
23	68.4	20	69.3	25	70.3	31	74.4
30	68.8	25	69.3	31	70.9	SEP 05	73.9
31	68.8	28	69.3	JUN 05	70.6	08	74.6
NOV 05	69.3	MAR 05	69.5	15	71.4	10	74.4
10	69.3	10	69.5	20	71.4	12	74.6
14	69.1	14	70.4	25	71.4	14	74.6
19	72.8 H	20	70.2	30	70.2	15	74.6
25	70.2	25	69.8	JUL 05	69.5	17	73.9
30	70.2	31	69.8	10	70.5	19	73.0
DEC 05	70.0	APR 05	70.4	15	73.5	20	73.0
10	70.0	10	70.2	20	73.9	21	71.6
15	69.3	15	70.2	25	74.2	23	73.0
20	68.8	20	70.5	31	74.4	25	72.8
25	68.8	25	69.8	AUG 05	73.1 E	30	73.0

WELL 08S 12E 24CCC1 SITE NUMBER 424239115001801

FORMERLY SITE ID NO. 424243115002401. DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 12 IN, REPORTED DEPTH 500 FT, CASED TO 46 FT. LSD ABOUT 3,470 FT NGVD OF 1929. MP NO. 2 TOP OF HOLE INSIDE PUMPBASE SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE JUNE 3, 1968).

RECORDS AVAILABLE 1967 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 200.84 FEET BELOW LAND SURFACE DATUM APR 25, 1967.

LOWEST WATER LEVEL 294.64 FEET BELOW LAND SURFACE DATUM OCT 21, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13, 1986	211.20 S	SEP 10, 1986	212.13 S

WELL 08S 13E 23CCD1 SITE NUMBER 424242114541601

DRILLED DOMESTIC WATER-TABLE WELL IN BANBURY FORMATION, DIAM 6 IN, REPORTED DEPTH 100 FT, CASED TO 50 FT. LSD ABOUT 3,390 FT NGVD OF 1929. MP NO. 1 HOLE IN TOP OF 6-IN CASING, 0.80 FT ABOVE LSD (SINCE FEB. 16, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 65.27 FEET BELOW LAND SURFACE DATUM NOV 12 1975.

LOWEST WATER LEVEL 73.34 FEET BELOW LAND SURFACE DATUM AUG 12, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	68.93	S	MAY 09, 1986	70.46	S	JUL 18, 1986	69.45	S	SEP 10, 1986	69.84	S
MAR 13, 1986	70.67	R S									

WELL 08S 13E 26AAD1 SITE NUMBER 424231114531701

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DEPTH 1,553 FT, DIAM 20-18-12 IN, 20-IN DIAM 0-38 FT, 18-IN DIAM 38-490 FT, 12-IN DIAM 490-1,535 FT, 18-IN CASING 0-19 FT, OPEN HOLE 19-1,535 FT. LSD ABOUT 3,330 FT NGVD OF 1929. MP NO. 1 TOP LIP OF 3-IN PIPE CENTER OF WELL SEAL, 0.35 FT ABOVE LSD (SINCE NOV. 11, 1985).

RECORDS AVAILABLE 1985, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 139.88 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 150.13 FEET BELOW LAND SURFACE DATUM NOV 01, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 01, 1985	150.13	V	JAN 07, 1986	149.25	V	APR 14, 1986	145.05	V	JUL 18, 1986	142.05	V
20	149.25	V	FEB 24	146.57	V	MAY 09	143.71	S V	AUG 12	141.25	V
DEC 20	149.25	V	MAR 13	145.72	V	JUN 12	143.07	V	SEP 10	139.88	V

WELL 08S 14E 30DDB1 SITE NUMBER 424156114511401

DRILLED GEOTHERMAL ARTESIAN WELL IN UNKNOWN AQUIFER, DEPTH 480 FT, DIAM 8 IN, 8-IN CASING 0-204 FT. OPEN HOLE 204-480 FT, LSD ABOUT 2,910 FT NGVD OF 1929. MP NO. 1 CENTER OF 4-IN PRESSURE GAGE, 3.17 FT ABOVE LSD, (SINCE AUG. 7, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 186.80 FEET ABOVE LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 179.26 FEET ABOVE LAND SURFACE DATUM MAR 13, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	185.96	H	FEB 13, 1986	183.88	H	MAY 08, 1986	182.96	H	AUG 12, 1986	185.65	H
DEC 20	185.96	H	MAR 13	179.26	H	JUN 12	183.65	H	SEP 10	186.80	H
JAN 07, 1986	181.11	H	APR 14	183.88	H	JUL 18	183.65 E	H			

WELL 09S 13E 20CCD1 SITE NUMBER 423722114574801

FORMERLY SITE ID NO. 423724114572101. DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20 IN, REPORTED DEPTH 920 FT, CASED TO 165 FT. LSD ABOUT 3,805 FT NGVD OF 1929. JUNE 17, 1968, WELL HAD FILLED IN TO A DEPTH OF 790.4 FT. RECORDER INSTALLED JUNE 4, 1968. RECORDER REMOVED AUG. 10, 1971. MP NO. 1 TOP OF 20-IN CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE FEB. 16, 1967).

RECORDS AVAILABLE 1967, 1968 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 436.95 FEET BELOW LAND SURFACE DATUM MAY 29, 1985.

LOWEST WATER LEVEL 454.79 FEET BELOW LAND SURFACE DATUM SEP 21, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	445.35	V	MAR 13, 1986	442.88	V	MAY 09, 1986	439.32	V	JUL 16, 1986	443.59	V
JAN 07, 1986	443.99	V									

WELL 09S 14E 13DDD1 SITE NUMBER 423814114450901

DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 8 TO 6 IN, DEPTH 900 FT, 8-IN CASING 0-31 FT, 6-IN CASING 65-425 FT. LSD ABOUT 3,514 FT NGVD OF 1929. MP NO. 2 ACCESS HOLE IN CASING SOUTH SIDE, 0.65 FT ABOVE LSD (SINCE AUG. 12, 1985).

RECORDS AVAILABLE 1979, 1981, 1982, 1985, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.76 FEET BELOW LAND SURFACE DATUM MAR 15, 1982.

LOWEST WATER LEVEL 35.81 FEET BELOW LAND SURFACE DATUM MAR 1[illegible], 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22, 1985	21.57 S	FEB 13, 1986	17.89 S	MAY 08, 1986	61.52 P V	AUG 12, 1986	86.25 P V
DEC 18	20.07 S	MAR 13	17.41 S	JUN 12	69.50 P V	SEP 10	59.20 P V
JAN 08, 1986	19.14 S	APR 14	38.07 P V	JUL 18	85.28 P V		

WELL 09S 15E 16DDD1 SITE NUMBER 423814114413701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 119 FT, DIAM 8 TO 6 IN, 6 5/8-IN CASING 0-19 FT, OPEN HOLE 19-119 FT. LSD ABOUT 3,572 FT NGVD OF 1929. MP NO. 1 ACCESS HOLE IN WELL CAP, (REMOVE PLUG), 1.20 FT ABOVE LSD (SINCE MAR. 19, 1980).

RECORDS AVAILABLE 1980, 1981 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 33.13 FEET BELOW LAND SURFACE DATUM SEP 10, 1982.

LOWEST WATER LEVEL 44.91 FEET BELOW LAND SURFACE DATUM MAY 19, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 22, 1985	34.56 S	JAN 08, 1986	39.48 S	MAR 13, 1986	40.58 S	MAY 08, 1986	40.39 S
DEC 18	37.78 S	FEB 13	40.94 S	APR 14	43.07 S	JUL 01	N

WELL 09S 16E 20ADD1 SITE NUMBER 423748114353801

DRILLED OBSERVATION ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 12-10-6-5.13 IN, REPORTED DEPTH 1,247 FT, 10-IN CASING 0-102 FT, 6-IN CASING 0-715 FT. LSD ABOUT 3,487 FT NGVD OF 1929. MP NO. 1 PRESSURE GAGE SCREWED IN 1/2-IN VALVE, 2.50 FT ABOVE LSD (SINCE SEPT. 4, 1984).

RECORDS AVAILABLE 1984 TO CURRENT YEAR.

HIGHEST WATER LEVEL 210.98 FEET ABOVE LAND SURFACE DATUM SEP 14, 1984.

LOWEST WATER LEVEL 193.7 FEET ABOVE LAND SURFACE DATUM JUN 21, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05, 1985	194.6	JAN 05, 1986	195.5	APR 25, 1986	197.6	JUL 15, 1986	195.5
10	194.7	10	195.8	30	197.6	20	195.6
15	194.4	15	196.1	MAY 05	197.8	25	195.3
20	194.6	20	196.1	10	197.6	31	195.8
25	194.2	25	195.8	15	197.7	AUG 05	196.4
31	194.4	31	196.6	20	197.7	10	196.9
NOV 05	194.5	FEB 05	196.5	25	197.4	15	197.2
09	194.9	10	196.8	31	197.4	20	197.0
12	195.0	15	197.2	JUN 05	197.2	25	197.1
20	194.5	20	196.8	10	195.31	31	197.0
25	195.0	25	196.6	15	194.6	SEP 05	197.0
30	195.3	28	196.9	20	193.8	10	197.2
DEC 05	195.0	MAR 05	196.7	21	193.7	15	197.1
10	195.3	10	197.0	22	193.7	20	196.6
15	195.2	12	197.0	25	194.2	25	197.0
20	195.4	APR 10	198.2	30	194.7	30	196.6
25	195.4	15	197.8	JUL 05	194.4		
31	195.6	20	197.7	10	194.9		

WELL 09S 16E 21DCD1 SITE NUMBER 423722114345101

FORMERLY SITE ID NO. 423723114345001. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP DIAM 8 TO 6 IN, DEPTH 75 FT, CASED TO 28.5 FT. LSD ABOUT 3,545 FT NGVD OF 1929. MP NO. 1 TOP OF 1-IN PLUG HOLE, 0.90 FT ABOVE LSD (SINCE MAR. 17, 1980).

RECORDS AVAILABLE 1980, 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 11.76 FEET BELOW LAND SURFACE DATUM OCT 09, 1985.

LOWEST WATER LEVEL 15.10 FEET BELOW LAND SURFACE DATUM APR 14, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	11.76	S	JAN 08, 1986	13.70	S	APR 14, 1986	15.10	S	JUL 18, 1986	13.92	S
NOV 22	12.17	S	FEB 13	13.64	S	MAY 08	15.08	S	AUG 12	13.58	S
DEC 18	13.03	S	MAR 13	13.91	S	JUN 12	14.33	S	SEP 10	12.29	S

TWIN FALLS COUNTY -- CONTINUED

WELL 10S 12E 01ACD1 SITE NUMBER 42 510114592701

DRILLED UNUSED WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20 IN, REPORTED DEPTH 900 FT, CASED TO 31 FT. LSD ABOUT 3,710 FT NGVD OF 1929. RECORDER INSTALLED MAR. 9, 1982. RECORDER REMOVED JULY 16, 1986. MP NO. 1 TOP OF 20-IN CASING NORTH EAST SIDE, 1.20 FT ABOVE LSD (SINCE MAR. 9, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 304.69 FEET BELOW LAND SURFACE DATUM APR 22, 1986.

LOWEST WATER LEVEL 372.70 FEET BELOW LAND SURFACE DATUM SEP 11, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 05, 1985	337.96	DEC 05, 1985	322.19	FEB 05, 1986	312.85		APR 22, 1986	304.69	
10	335.98	10	321.30	10	312.24		25	304.77	
15	334.17	15	320.60	15	311.31		30	305.06	
20	332.25	20	319.75	20	311.29		MAY 05	306.12	
25	331.35	25	318.93	25	310.86		10	311.85	
31	329.74	31	317.87	28	310.33		15	315.89	
NOV 05	328.58	JAN 05, 1986	317.09	MAR 05	309.63		20	319.18	
10	326.78	10	316.62	10	308.76		25	322.81	
15	326.21	15	315.55	15	308.54		31	326.53	
20	324.87	20	315.00	16	308.30		JUN 05	329.27	
25	323.70	25	314.81	APR 16	305.54	S	JUL 16	348.40	V
30	322.94	31	313.46	20	305.49		SEP 09	353.18	S

WELL 10S 12E 11DBD1 SITE NUMBER 423406115003401

DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 24 IN, DEPTH 687.9 FT, CASED TO 6 FT. LSD 3,750 FT NGVD OF 1929. MP NO. 1 TOP OF CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE AUG. 2, 1962).

RECORDS AVAILABLE 1962, 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 326.32 FEET BELOW LAND SURFACE DATUM AUG 02, 1962.

LOWEST WATER LEVEL 429.12 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	380.37	S	MAR 13, 1986	363.7	S	JUL 16, 1986	400.68	S	SEP 09, 1986	407.60	S
JAN 07, 1986	372.31		MAY 09	363.3	S						

WELL 10S 13E 02DCD1 SITE NUMBER 423444114533201

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 16 TO 12 IN, DEPTH 1,665 FT, 16-IN CASING 0-39 FT, 12-IN CASING 0-512 FT. LSD ABOUT 3,725 FT NGVD OF 1929. MP NO. 1 TOP INSIDE EDGE OF 12-IN CASING FLANGE NORTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE FEB. 18, 1982).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 250.49 FEET BELOW LAND SURFACE DATUM SEP 09, 1986.

LOWEST WATER LEVEL 261.21 FEET BELOW LAND SURFACE DATUM APR 14, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	24.48	S	JAN 07, 1986	257.63	S	MAY 08, 1986	261.06	S	SEP 09, 1986	250.49	S
NOV 01	254.33	S	FEB 24	259.59	S	JUN 12	258.15	S			
20	254.93	S	MAR 13	259.76	S	JUL 16	254.60	S			
DEC 18	256.60	S	APR 14	261.21	S	AUG 11	252.32	S			

WELL 10S 13E 10BBC1 SITE NUMBER 423433114555201

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 TO 12 IN, DEPTH 1,435 FT, 20-IN CASING 0-75 FT, 10-IN CASING 1,310-1,410 FT, PERFORATED 1,310-1,410 FT. LSD ABOUT 3,823 FT NGVD OF 1929. MP NO. 1 TOP OF 20-IN CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE JULY 17, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 378.70 FEET BELOW LAND SURFACE DATUM JUL 16, 1986.

LOWEST WATER LEVEL 384.28 FEET BELOW LAND SURFACE DATUM AUG 30, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 09, 1986	379.01	V	JUL 16, 1986	378.70	V	AUG 11, 1986	380.60	V	SEP 09, 1986	380.19	V
FEB 24	378.97	V									

WELL 10S 16E 07DAC1 SITE NUMBER 423406114370301

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20-16-12-6 IN, DEPTH 494 FT, 16-IN CASING 0-20 FT, 12-IN CASING 0-102 FT. LSD ABOUT 3,780 FT NGVD OF 1929. MP NO. 2 TOP OF 1/4-IN HOLE IN STEEL COVER, 3.02 FT ABOVE LSD (SINCE JULY 17, 1985).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.29 FEET BELOW LAND SURFACE DATUM AUG 07, 1985.

LOWEST WATER LEVEL 36.57 FEET BELOW LAND SURFACE DATUM APR 29, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	24.48	S	JAN 08, 1986	33.09	S	APR 14, 1986	34.84	S	JUL 18, 1986	26.00	S
NOV 22	29.64	S	FEB 13	34.22	S	MAY 08	33.37	S	AUG 12	24.84	S
DEC 18	32.00	S	MAR 12	34.07	S	JUN 12	29.17	S	SEP 10	23.81	S

WELL 10S 17E 05DAA1 SITE NUMBER 423502114284801

DRILLED UNUSED ARTESIAN WELL IN IDAVADA VOLCANICS, DIAMETER 16-12-8-6 IN, DEPTH 1,450 FT, 12-IN CASING 0-18 FT, 8-IN CASING 0-1,091 FT, 6-IN CASING 1,080-1,200 FT. LSD ABOUT 3,650 FT NGVD OF 1929. MP NO. 4 TOP OF 1/4-IN GATE VALVE, 5.37 FT ABOVE LSD (SINCE OCT. 2, 1985).

RECORDS AVAILABLE 1983, 1984 TO CURRENT YEAR.

HIGHEST WATER LEVEL 90.8 FEET ABOVE LAND SURFACE DATUM JUL 10, 1984.

LOWEST WATER LEVEL 53.8 FEET ABOVE LAND SURFACE DATUM OCT 09, 1985; OCT 10, 1985; OCT 13, 1985.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 05, 1985	54.3	DEC 31, 1985	55.7	APR 05, 1986	56.0	JUL 20, 1986	66.1	
09	53.8	JAN 05, 1986	55.4	10	56.6	25	65.6	
10	53.8	10	55.2	15	55.9	31	65.6	
13	53.8	15	55.9	17	55.4	AUG 05	65.8	
15	54.3	20	54.5	MAY 09	56.4	10	65.6	
20	55.9	25	54.7	11	57.5	15	65.4	
25	56.1	31	55.9	19	57.1	20	64.9	
31	56.4	FEB 05	55.2	20	57.1	25	65.4	
NOV 05	55.7	10	55.0	25	56.8	31	65.4	
10	56.4	15	55.4	31	57.5	SEP 05	66.1	
15	56.1	20	54.8	JUN 05	57.5	06	65.8	
20	56.6	25	55.4	11	57.6	17	65.9	S
25	57.1	28	55.0	15	57.8	20	65.80	
30	56.6	MAR 05	55.7	20	58.0	23	66.5	
DEC 05	56.1	08	55.7	25	59.6	25	66.10	
10	56.6	15	55.3	30	62.1	30	66.30	
15	55.9	20	55.4	JUL 05	63.1			
20	55.4	25	55.5	10	64.7			
25	55.2	31	55.7	15	65.6			

WELL 10S 17E 14CCD1 SITE NUMBER 423255114260601

FORMERLY SITE ID NO. 423255114260101, WELL NO. 10S 17E 14CD1. DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 8 IN, DEPTH 1,154 FT, CASED TO 575 FT. LSD ABOUT 3,788 FT NGVD OF 1929. MP NO. 1 TOP OF 3/4-IN PIPE COUPLING IN STEEL PLATE NORTHEAST SIDE AT LSD (SINCE MAR. 28, 1979).

RECORDS AVAILABLE 1979 - 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 47.83 FEET BELOW LAND SURFACE DATUM APR 14, 1986.

LOWEST WATER LEVEL 49.26 FEET BELOW LAND SURFACE DATUM FEB 24, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 07, 1985	48.35	S	FEB 24, 1986	49.26	V	JUN 12, 1986	48.58	S	SEP 09, 1986	48.04	S
DEC 20	48.73	S	APR 14	47.83	S	JUL 16	48.32	S			
JAN 08, 1986	49.11	S	MAY 08	48.95	S	AUG 28	77.20	P V			

WELL 10S 18E 20DDD1 SITE NUMBER 423207114215301

DRILLED PUBLIC SUPPLY WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, REPORTED DEPTH 1,200 FT, 8-IN CASING 0-735 FT, 6-IN CASING 735-1,110 FT, PERFORATED 300-1,110 FT. LSD ABOUT 3,919 FT NGVD OF 1929. RECORDER INSTALLED AUG. 13, 1951. RECORDER REMOVED FEB. 12, 1952. MP NO. 5 TOP OF HOLE IN CASING COVER WEST SIDE, 1.30 FT ABOVE LSD (SINCE MAR. 19, 1973).

RECORDS AVAILABLE 1951, 1953 - 1961, 1962 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 164.70 FEET BELOW LAND SURFACE DATUM SEP 14, 1972.

LOWEST WATER LEVEL 182.93 FEET BELOW LAND SURFACE DATUM JUL 10, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 18, 1985	174.52	S	MAR 12, 1986	177.47	S	JUL 16, 1986	180.74	S	SEP 09, 1986	176.64	S
JAN 08, 1986	176.41	S	MAY 08	179.10	S						

WELL 11S 14E 19AAA1 SITE NUMBER 422742114505301

DRILLED IRRIGATION AND DOMESTIC WATER-TABLE WELL IN BANBURY FORMATION, DIAM 12-IN, DEPTH 500 FT, CASED TO 16 FT. LSD ABOUT 4,025 FT NGVD OF 1929. MP NO. 1 TOP OF CASING SOUTH SIDE, 1.25 FT ABOVE LSD (SINCE FEB. 2, 1982).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 188.95 FEET BELOW LAND SURFACE DATUM SEP 09, 1986.

LOWEST WATER LEVEL 211.49 FEET BELOW LAND SURFACE DATUM MAY 18, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	202.55	S	JAN 07, 1986	201.93	S	APR 14, 1986	210.48	S	JUL 16, 1986	196.29	V
NOV 20	194.74	R S	FEB 24	207.25	S	MAY 08	209.32	S	AUG 11	193.75	V
DEC 18	198.70	R S	MAR 13	209.04	R S	JUN 12	202.49	V	SEP 09	188.95	S

WELL 11S 15E 02BBB1 SITE NUMBER 423018114401701

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 16 IN, DEPTH 1,010 FT, CASED TO 137 FT, LSD ABOUT 4,142 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN PIPE IN CASING COVER WEST SIDE, 1.21 ABOVE LSD (SINCE JULY 2, 1985).

RECORDS AVAILABLE 1980 - 1981, 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 225.58 FEET BELOW LAND SURFACE DATUM SEP 09, 1986.

LOWEST WATER LEVEL 232.94 FEET BELOW LAND SURFACE DATUM MAY 31, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 09, 1985	226.51	S	JAN 08, 1986	227.77	S	APR 14, 1986	230.17	S	JUL 16, 1986	228.22	S
NOV 22	225.88	S	FEB 24	228.97	S	MAY 08	230.33	S	AUG 12	227.24	S
DEC 18	227.10	S	MAR 13	228.89	S	JUN 12	230.08	S	SEP 09	225.58	S

WELL 11S 15E 07ACB1 SITE NUMBER 422913114442601

DRILLED OBSERVATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 6 IN, DEPTH 347.0 FT, CASED TO 275 FT, PERFORATED 225-275 FT. LSD 4,108.14 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. MP NO. 2 TOP EDGE OF CASING CAP WEST SIDE, 1.05 FT ABOVE LSD (SINCE NOV. 15, 1960).

RECORDS AVAILABLE 1960 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 219.94 FEET BELOW LAND SURFACE DATUM SEP 15, 1980.

LOWEST WATER LEVEL 237.89 FEET BELOW LAND SURFACE DATUM MAY 22, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 13, 1986	230.14	S	JUL 16, 1986	224.57	S	SEP 09, 1986	220.68	S

WELL 11S 17E 25DDD2 SITE NUMBER 422600114240901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 351.6 FT, CASED TO 175 FT, PERFORATED 145-175 FT. LSD 4,138.54 FT NGVD OF 1929. RECORDER INSTALLED OCT. 27, 1960. RECORDER REMOVED AUG. 11, 1971. MP NO. 3 TOP OF CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE AUG. 21, 161).

RECORDS AVAILABLE 1960 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 71.65 FEET BELOW LAND SURFACE DATUM SEP 10, 1985.

LOWEST WATER LEVEL 97.23 FEET BELOW LAND SURFACE DATUM APR 06, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 12, 1986	83.33	S	JUL 16, 1986	74.60	S	SEP 09, 1986	72.39	S

WELL 11S 19E 17ABA1 SITE NUMBER 422830114151401

FORMERLY SITE ID NO. 422829114150801, WELL NO. 11S 19E 17AAB1. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 14 IN, REPORTED DEPTH 860 FT, CASED TO 16 FT. LSD ABOUT 4,229 FT NGVD OF 1929. JULY 17, 1968, WELL HAD FILLED IN TO A DEPTH OF 834.0 FT. RECORDER INSTALLED AUG. 17, 1961. RECORDER REMOVED AUG. 18, 1986. MP NO. 4 TOP OF CASING NORTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE JULY 26, 1966).

RECORDS AVAILABLE 1959, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 315.93 FEET BELOW LAND SURFACE DATUM JUN 16, 1974.

LOWEST WATER LEVEL 333.22 FEET BELOW LAND SURFACE DATUM DEC 03, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
NOV 20, 1985	327.91		MAR 17, 1986	325.75	V	MAY 15, 1986	323.84		AUG 05, 1986	324.10	
25	327.86		APR 14	324.96	V	20	323.58		10	324.35	
30	327.98		18	324.84	S	25	323.69		15	324.51	
DEC 05	327.97		20	324.75		26	323.57		18	324.89	S
10	327.80		25	324.22		JUL 17	323.72		SEP 23	326.20	S
15	327.72		30	324.36		20	323.79				
JAN 21, 1986	327.02	T	MAY 05	324.11		25	323.79				
FEB 10	326.35	V	10	323.87		31	324.03				

WELL 11S 19E 23CDA1 SITE NUMBER 422654114115901

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 18 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,190 FT NGVD OF 1929. RECORDER INSTALLED JULY 8, 1976. RECORDER REMOVED JAN. 27, 1978. MP NO. 1 TOP OF 18-IN CASING NORTH SIDE, 0.60 FT ABOVE LSD (SINCE APR. 27, 1976).

RECORDS AVAILABLE 1976 - 1978, 1979, 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 192.39 FEET BELOW LAND SURFACE DATUM APR 27, 1976.

LOWEST WATER LEVEL 345.70 FEET BELOW LAND SURFACE DATUM AUG 15, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	217.40	V	FEB 10, 1986	204.20	V	MAY 19, 1986	270.70	V	AUG 18, 1986	284.35	V
NOV 18	211.90	V	MAR 17	199.83	V	JUN 16	272.70	V	SEP 23	244.92	V
JAN 21, 1986	208.05	V	APR 14	197.11	S	JUL 21	271.64	V			

WELL 11S 19E 30ADD1 SITE NUMBER 422621114160501

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LSD ABOUT 4,150 FT NGVD OF 1929. RECORDER INSTALLED MAY 26, 1976. RECORDER REMOVED APR. 22, 1982. MP NO. 3 TOP OF SHELTER SOUTH SIDE, 3.51 FT ABOVE LSD (SINCE MAY 26, 1976).

RECORDS AVAILABLE 1952, 1954, 1961, 1963, 1966 - 1967, 1976 - 1979, 1980 - 1982, 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.10 FEET BELOW LAND SURFACE DATUM MAY 07, 1952.

LOWEST WATER LEVEL 124.02 FEET BELOW LAND SURFACE DATUM AUG 20, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	91.96	S	JAN 21, 1986	89.21	S	APR 14, 1986	88.77	V	JUL 21, 1986	88.21	S
NOV 18	90.57	S	FEB 10	88.98	S	MAY 13	88.48	S	AUG 18	89.28	S
DEC 12	89.85	S	MAR 17	88.92	S	JUN 16	87.70	S	SEP 23	87.78	S

WELL 11S 19E 31ADD1 SITE NUMBER 422529114160701

DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, REPORTED DEPTH 350 FT, CASED TO 140 FT. LSD 4,197.70 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. IN 1982 WELL WAS CLEANED OUT TO A REPORTED DEPTH OF 280 FT. MP NO. 2 TOP OF HOLE IN WELL SEAL NORTH SIDE, 4.50 FT BELOW LSD (SINCE MAY 18, 1967).

RECORDS AVAILABLE 1951 - 1954, 1955 - 1961, 1962 - 1968, 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 118.75 FEET BELOW LAND SURFACE DATUM MAY 03, 1952.

LOWEST WATER LEVEL 203.80 FEET BELOW LAND SURFACE DATUM JUL 29, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 15, 1985	180.41 R	V	JAN 24, 1986	163.78	T	APR 14, 1986	159.00	V	JUL 21, 1986	164.61	V
NOV 18	171.10	V	FEB 10	161.70	V	MAY 13	160.62	V	AUG 18	169.79 S	V
DEC 12	168.24	T	MAR 17	160.10	V	JUN 16	157.90	V	SEP 23	164.11	V

WELL 12S 16E 12DDD1 SITE NUMBER 422325114305701

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DEEPENED DEPTH OF 585 FT, DIAM AND CASING INFORMATION UNAVAILABLE, OPEN HOLE 250-585 FT, LSD 4,360 FT NGVD OF 1929. MP NO. 1 TOP OF 12-IN CASING, 1.40 FT ABOVE LSD (SINCE MAR. 19, 1982).

RECORDS AVAILABLE 1982, 1985, 1986.

HIGHEST WATER LEVEL 154.80 FEET BELOW LAND SURFACE DATUM OCT 07, 1985.

LOWEST WATER LEVEL 162.35 FEET BELOW LAND SURFACE DATUM MAR 19, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 07, 1985	154.80	S	JAN 06, 1986	155.57	S	MAR 12, 1986	156.26	S	MAY 08, 1986	157.44	S
DEC 19	155.53	S	FEB 24	157.40	S	APR 14	157.03	S	JUL 01		N

WELL 13S 15E 01DAD1 SITE NUMBER 421915114380801

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DEPTH 2,255 FT, DIAM 12 IN, 12-IN CASING 0-30 FT, 8-IN CASING 0-1,000 FT, OPEN HOLE 1,000-1,960 FT, LSD ABOUT 4,569 FT NGVD OF 1929. MP NO. 1 TOP OF 8-IN CASING, 0.80 FT ABOVE LSD (SINCE JAN. 18, 1982).

RECORDS AVAILABLE 1982, 1985, 1986.

HIGHEST WATER LEVEL 212.90 FEET BELOW LAND SURFACE DATUM MAR 12, 1986; MAY 08, 1986.

LOWEST WATER LEVEL 215.46 FEET BELOW LAND SURFACE DATUM JUL 17, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
OCT 07, 1985	215.09	S	FEB 24, 1986	213.39	S	APR 14, 1986	213.97	S	JUL 01, 1986		N
JAN 06, 1986	214.17	S	MAR 12	212.90	S	MAY 08	212.90	S			

WELL 14S 15E 14CBD1 SITE NUMBER 421217114400401

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20-12-10-8 IN, DEPTH 2,525 FT, 20-IN CASING 0-61 FT, 12-IN CASING 0-649 FT, 10-IN CASING 567-1,180 FT. LSD ABOUT 4,930 FT NGVD OF 1929. MP NO. 2 TOP OF BOLT HEADS IN STEEL COVER FLANGE SOUTH SIDE, 2.82 FT ABOVE LSD (SINCE AUG. 8, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 33.60 FEET ABOVE LAND SURFACE DATUM FEB 21, 1986.

LOWEST WATER LEVEL 33.00 FEET ABOVE LAND SURFACE DATUM AUG 13, 1986.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19, 1985	32.72 E M	MAR 12, 1986	33.45 E M	JUN 12, 1986	31.42 E M	SEP 09, 1986	32.00 E M
JAN 14, 1986	32.74 E M	APR 14	33.44 E M	JUL 16	31.55 E M		
FEB 21	33.60 E M	MAY 08	32.89 E M	AUG 13	30.00 E M		

WELL 14S 15E 28BAD2 SITE NUMBER 421100114421201

FORMERLY SITE ID NO. 421057114421101. DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, DEPTH 455 FT, CASED TO 341 FT, PERFORATED 231-341 FT. LSD 4,976.12 FT NGVD OF 1929, PACIFIC NORTHWEST SUPPLEMENTARY ADJUSTMENT OF 1947. AUG 11, 1971, WELL HAD FILLED IN TO A DEPTH OF 420.4 FT. RECORDER INSTALLED APR. 19, 1961. RECORDER REMOVED AUG. 11, 1971. MP NO. 2 TOP OF CASING WEST SIDE, 2.10 FT ABOVE LSD (SINCE APR. 19, 1961).

RECORDS AVAILABLE 1960, 1961 - 1971, 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 90.76 FEET BELOW LAND SURFACE DATUM NOV 17, 1965.

LOWEST WATER LEVEL 131.50 FEET BELOW LAND SURFACE DATUM SEP 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 04, 1985	102.50 S	MAR 12, 1986	95.06 S	JUL 16, 1986	109.32 S	SEP 09, 1986	103.00 S
JAN 06, 1986	96.06 S	MAY 08	97.63 S				

WELL 18N 03E 36BCD1 SITE NUMBER 445120116022301

FORMERLY SITE ID NO. 445126116023601, WELL NO. 18N 03E 36BC 1. DRILLED DOMESTIC WATER-TABLE WELL IN SAND AND OUTWASH OF PLEISTOCENE AGE, DIAM 5 TO 6 IN, REPORTED DEPTH 177 FT, 5-IN CASING 0-140 FT, 6-IN CASING 140-160 FT, PERFORATED 140-160 FT, GRAVEL FILL 125-177 FT. LSD ABOUT 5,120 FT NGVD OF 1929. MP NO. 3 TOP OF HOLE IN WELL SEAL SOUTHEAST SIDE, 0.60 FT ABOVE LSD (SINCE MAR. 11, 1975).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 32.25 FEET BELOW LAND SURFACE DATUM SEP 19, 1974.

LOWEST WATER LEVEL 44.95 FEET BELOW LAND SURFACE DATUM AUG 03, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 06, 1986	43.59	S	JUL 17, 1986	41.93	S	SEP 30, 1986	42.61	S

WELL 16N 03E 14AAB1 SITE NUMBER 444351116030001

DRILLED DOMESTIC WATER-TABLE WELL IN OUTWASH OF PLEISTOCENE AGE, DIAM 5 TO 6 IN, REPORTED DEPTH 110 FT, 5-IN CASING 0-80 FT, 6-IN CASING 80-100 FT, PERFORATED 80-100 FT, GRAVEL FILL. LSD ABOUT 4,865 FT NGVD OF 1929. MP NO. 1 TOP OF 1 1/4-IN HOLE IN TOP OF WELL COVER, 1.20 FT ABOVE LSD (SINCE MAR. 14, 1967).

RECORDS AVAILABLE 1967 - 1977, 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.19 FEET BELOW LAND SURFACE DATUM MAR 09, 1983.

LOWEST WATER LEVEL 4.05 FEET BELOW LAND SURFACE DATUM AUG 01, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 06, 1986	1.44	S	JUL 17, 1986	2.79	S	SEP 30, 1986	2.47	S

WELL 13N 04E 16BAD1 SITE NUMBER 442755115592201

DRILLED DOMESTIC WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 84 FT, CASED TO 67 FT. LSD ABOUT 4,770 FT NGVD OF 1929. MP NO. 1 TOP OF 6-IN CASING WEST SIDE, 0.60 FT ABOVE LSD (SINCE MAR. 14, 1967).

RECORDS AVAILABLE 1967 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 20.85 FEET BELOW LAND SURFACE DATUM JUL 08, 1974.

LOWEST WATER LEVEL 31.58 FEET BELOW LAND SURFACE DATUM JUL 14, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 07, 1986	23.90	S	JUL 14, 1986	31.58	S	SEP 29, 1986	27.95	S

WELL 14N 02W 10BCA1 SITE NUMBER 444401116463001

DRILLED UNUSED ARTESIAN WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 6 IN, DEPTH 128.9 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,705 FT NGVD OF 1929. MP NO. 2 TOP OF 6-IN CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE JULY 11, 1984).

RECORDS AVAILABLE 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.32 FEET BELOW LAND SURFACE DATUM MAR 14, 1984.

LOWEST WATER LEVEL 5.89 FEET BELOW LAND SURFACE DATUM JUL 16, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 04, 1986	3.97	S	JUL 18, 1986	4.48	S

WELL 13N 04W 12CDC1 SITE NUMBER 442815116455901

DRILLED IRRIGATION WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, DEPTH 169.6 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,625 FT NGVD OF 1929. MP NO. 2 TOP OF HOLE IN WELL SEAL NORTH SIDE, 0.60 FT ABOVE LSD (SINCE MAR. 23, 1967).

RECORDS AVAILABLE 1961 - 1973, 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.14 FEET BELOW LAND SURFACE DATUM NOV 27, 1961.

LOWEST WATER LEVEL 94.32 FEET BELOW LAND SURFACE DATUM SEP 19, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 03, 1986	31.00	S	JUL 18, 1986	30.14	S

WELL 13N 01W 32ACD1 SITE NUMBER 442509116284501

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 142.3 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 3,270 FT NGVD OF 1929. MP NO. 1 TOP OF CASING SOUTH SIDE, 1.50 FT ABOVE LSD (SINCE MAY 30, 1974).

RECORDS AVAILABLE 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 53.74 FEET BELOW LAND SURFACE DATUM MAY 30, 1974.

LOWEST WATER LEVEL 82.41 FEET BELOW LAND SURFACE DATUM NOV 17, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL		DATE	WATER LEVEL	
JAN 21, 1986	75.10	S	MAR 04, 1986	73.15	S	MAY 12, 1986	69.47	S	JUL 18, 1986	71.26	S

WELL 12N 04W 31DBB1 SITE NUMBER 441957116514201

DRILLED DOMESTIC WATER-TABLE WELL IN IDAHO GROUP, DIAM 6 IN, REPORTED DEPTH 95 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,510 FT NGVD OF 1929. MP NO. 1 INNER EDGE OF CONCRETE PIT LINING EAST SIDE, 1.20 FT ABOVE LSD (SINCE MAR. 23, 1967).

RECORDS AVAILABLE 1967 - 1973, 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 24.12 FEET BELOW LAND SURFACE DATUM SEP 09, 1968.

LOWEST WATER LEVEL 39.88 FEET BELOW LAND SURFACE DATUM MAR 10, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 03, 1986	38.05	S	AUG 29, 1986	21.22	R S

WELL 11N 06W 25CAC1 SITE NUMBER 441527117002501

DRILLED DOMESTIC WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 10 IN, REPORTED DEPTH 39 FT, CASING DEPTH NOT AVAILABLE. LSD ABOUT 2,127 FT NGVD OF 1929. MP NO. 2 TOP OF HOLE IN WELL SEAL, 4.54 FT BELOW LSD (SINCE MAR. 27, 1980).

RECORDS AVAILABLE 1974 - 1975, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.58 FEET BELOW LAND SURFACE DATUM SEP 12, 1978.

LOWEST WATER LEVEL 13.45 FEET BELOW LAND SURFACE DATUM MAR 12, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL		DATE	WATER LEVEL	
MAR 03, 1986	10.00	S	JUL 19, 1986	11.74	S

FOOTNOTE EXPLANATION

SITE STATUS: D DRY, E FLOWED RECENTLY, F FLOWING,
G NEARBY FLOWING, N MEASUREMENT DISCONTINUED,
O OBSTRUCTION, P PUMPING, R RECENTLY PUMPED,
S NEARBY PUMPING, V FOREIGN SUBSTANCE, W WELL DESTROYED.

METHOD OF MEASUREMENT: E ESTIMATED, G PRESSURE GAGE,
M MANOMETER, S STEEL TAPE, T ELECTRIC TAPE,
V CALIBRATED ELECTRIC TAPE.

QUALITY OF GROUND WATER

Local Identifer: Indicates location by township, range, and section.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (MG/L AS CACO3)
BANNOCK COUNTY							
05S 33E 12DAB1	430001112322001	06-18-86	1145	568	8.00	11.0	230
05S 33E 24CCC1	425752112330801	06-19-85	1000	448	8.50	11.5	180
05S 33E 24CCC2	425752112330802	06-19-86	1200	561	8.90	12.0	110
06S 33E 06BAB1	425607112385301	06-20-86	1445	456	8.00	10.5	180
BINGHAM COUNTY							
03S 34E 33BCD1	430700112293001	06-20-86	1115	430	7.90	11.5	200
03S 35E 13AAA1	430958112174801	06-18-86	1830	405	8.50	19.5	190
03S 35E 20CBC1	430834112233001	06-20-86	0800	600	7.50	13.0	300
04S 22E 15CDA1	430408112420601	06-18-86	1615	543	8.10	10.0	230
04S 32E 11AAC1S	430539112402301	03-27-86	1450	702	8.40	14.0	250
04S 33E 01ADC1S	430611112322000	03-27-86	1130	636	8.00	11.0	240
04S 33E 21CDC1	430308112363001	06-18-86	1815	538	7.90	11.0	220
04S 33E 23BBA1S	430349112342101	03-27-86	1300	881	7.80	10.0	270
04S 33E 25DDB1	430202112315901	06-17-86	1800	569	8.10	12.5	220
04S 33E 26ADD1	430240112332601	06-17-86	1215	568	8.10	10.5	240
04S 33E 32ABA1S	430205112372001	03-27-86	1430	1090	7.60	10.5	350
04S 33E 33CAC1	430139112362401	06-16-86	1640	526	8.10	10.5	230
04S 34E 05CAA1S	430608112301901	03-28-86	1100	518	8.20	10.5	210
04S 34E 08DBD1	430511112295901	06-17-86	1435	411	8.70	12.0	170
04S 34E 08DBD2	430511112295902	06-17-86	1200	480	7.90	11.5	220
04S 34E 08DBD3	430511112295903	06-17-86	1500	480	8.10	12.0	220
04S 34E 19AAD1	430351112305501	06-19-86	1600	580	7.70	11.0	230
04S 34E 19AAD2	430351112305502	06-19-86	1730	461	7.50	11.0	160
04S 34E 24ABD1	430345112251601	06-18-86	1415	624	7.90	14.0	250
04S 34E 32ADA1	430159112294401	06-17-86	1830	566	7.90	11.5	250
04S 35E 06CCA1	430554112244201	06-18-86	1630	614	7.80	13.5	270
04S 35E 20ABD1	430343112225701	06-16-86	1830	513	8.00	--	220
04S 35E 22CCC1	430305112212301	06-16-86	1653	697	7.90	--	280
04S 35E 25BDC1	430243112184101	06-16-86	1615	615	8.40	14.5	320
04S 35E 31CBB1	430144112245801	06-20-86	1000	544	7.70	14.5	250
04S 35E 34CAB1	430145112210301	06-18-86	1015	614	8.00	15.0	260
05S 31E 02CDA1	430043112480001	06-20-86	1200	719	7.70	11.5	270
05S 31E 36DCB1	425623112464501	06-20-86	1020	382	8.00	12.5	160
CASSIA COUNTY							
10S 21E 35 CCC1	423017113580901	05-23-86	1100	538	7.40	17.5	210
10S 22E 26CCB1	423119113510301	05-19-86	1530	990	7.60	13.0	260
10S 22E 31DDC1	423016113545501	05-21-86	1730	809	7.60	15.5	320
10S 23E 20DCC2	423200113472601	06-06-86	0900	808	7.60	16.0	350
11S 21E 05DAD1	422935114003401	05-19-86	1415	559	7.80	17.5	210
11S 21E 26DAD1	422608113570401	05-22-86	1000	469	7.50	17.0	180
11S 22E 27BCB1	422626113521601	05-22-86	1230	558	7.50	18.5	230
11S 23E 04CBB1	422945113465401	05-19-86	1715	747	7.40	13.0	250

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT-I-FIER	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3
BANNOCK COUNTY							
05S 33E 12DAB1	64	16	24	19	0.7	3.3	183
05S 33E 24CCC1	44	16	24	22	0.8	3.6	144
05S 33E 24CCC2	14	17	80	60	3	7.5	200
06S 33E 06BAB1	47	16	19	18	0.6	3.7	151
BINGHAM COUNTY							
03S 34E 33BCD1	58	14	13	12	0.4	2.7	181
03S 35E 13AAA1	51	15	8.3	9	0.3	1.9	179
03S 35E 20CBC1	74	27	16	10	0.4	4.0	249
04S 22E 15CDA1	61	19	22	17	0.7	3.7	190
04S 32E 11AAC1S	61	23	38	25	1	4.8	190
04S 33E 01ADC1S	63	21	31	21	0.9	4.0	229
04S 33E 21CDC1	60	18	23	18	0.7	3.8	199
04S 33E 23BBA1S	59	29	66	34	2	6.2	262
04S 33E 25DDB1	61	17	26	20	0.8	3.4	194
04S 33E 26ADD1	66	17	25	19	0.7	3.4	198
04S 33E 32ABA1S	77	38	83	34	2	6.0	266
04S 33E 33CAC1	62	18	22	17	0.7	3.8	193
04S 34E 05CAA1S	58	18	21	18	0.7	3.1	229
04S 34E 08DBD1	45	15	18	18	0.6	3.0	146
04S 34E 08DBD2	63	16	17	14	0.5	2.9	203
04S 34E 08DBD3	63	16	17	14	0.5	3.0	208
04S 34E 19AAD1	64	17	27	20	0.8	3.3	200
04S 34E 19AAD2	41	13	34	32	1	3.4	166
04S 34E 24ABD1	59	24	21	15	0.6	4.4	198
04S 34E 32ADA1	66	20	20	15	0.6	4.8	218
04S 35E 06CCA1	67	24	17	12	0.5	4.2	233
04S 35E 20ABD1	55	20	19	15	0.6	4.6	171
04S 35E 22CCC1	74	23	28	18	0.8	5.1	213
04S 35E 25BDC1	85	28	27	15	0.7	4.0	212
04S 35E 31CBB1	66	21	20	15	0.6	3.7	237
04S 35E 34CAB1	67	22	20	14	0.6	4.3	204
05S 31E 02CDA1	67	25	49	28	1	5.2	264
05S 31E 36DCB1	39	14	19	20	0.7	4.9	128
CASSIA COUNTY							
10S 21E 35 CCC1	61	13	20	17	0.6	6.8	150
10S 22E 26CCB1	58	28	110	47	3	8.8	270
10S 22E 31DDC1	97	19	28	16	0.7	7.8	210
10S 23E 20DCC2	100	25	25	13	0.6	9.0	120
11S 21E 05DAD1	52	18	26	21	0.8	6.2	140
11S 21E 26DAD1	56	9.3	15	15	0.5	6.1	130
11S 22E 27BCB1	71	12	21	16	0.6	8.4	160
11S 23E 04CBB1	76	15	59	33	2	8.0	220

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT-I-FIER	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
BANNOCK COUNTY							
05S 33E 12DAB1	46	28	0.8	25	320	1.30	0.01
05S 33E 24CCC1	51	30	0.8	4.2	250	<0.10	<0.01
05S 33E 24CCC2	55	29	0.6	2.8	310	<0.10	0.01
06S 33E 06BAB1	49	20	0.6	28	270	0.87	<0.01
BINGHAM COUNTY							
03S 34E 33BCD1	30	9.4	0.7	24	260	0.67	0.01
03S 35E 13AAA1	20	8.1	0.3	13	220	<0.10	0.05
03S 35E 20CBC1	46	16	0.3	28	360	4.80	0.03
04S 22E 15CDA1	52	25	0.6	27	320	1.50	0.01
04S 32E 11AAC1S	75	60	0.6	24	400	1.20	0.03
04S 33E 01ADC1S	58	34	0.7	25	370	3.00	0.02
04S 33E 21CDC1	47	28	0.7	26	330	1.50	<0.01
04S 33E 23BBA1S	82	60	0.8	30	[illegible]	5.60	0.05
04S 33E 25DDB1	47	32	0.8	11	320	0.34	0.01
04S 33E 26ADD1	47	29	0.8	25	330	1.60	0.01
04S 33E 32ABA1S	120	130	0.6	27	640	4.40	0.04
04S 33E 33CAC1	41	21	0.7	27	310	1.50	0.01
04S 34E 05CAA1S	43	22	0.8	22	320	1.00	0.01
04S 34E 08DBD1	39	17	0.6	3.5	220	<0.10	<0.01
04S 34E 08DBD2	30	10	0.7	24	290	0.78	0.02
04S 34E 08DBD3	34	12	0.7	23	290	0.80	0.10
04S 34E 19AAD1	45	29	0.8	24	330	1.40	0.05
04S 34E 19AAD2	40	23	0.8	6.9	260	0.22	0.11
04S 34E 24ABD1	44	25	0.5	32	330	7.80	0.02
04S 34E 32ADA1	37	19	0.5	37	340	3.50	0.02
04S 35E 06CCA1	34	12	0.4	30	330	3.30	0.02
04S 35E 20ABD1	27	20	0.3	36	290	6.60	0.02
04S 35E 22CCC1	30	64	0.3	35	390	1.30	0.03
04S 35E 25BDC1	32	86	0.2	30	410	1.10	0.03
04S 35E 31CBB1	29	23	0.2	31	340	1.60	0.02
04S 35E 34CAB1	49	18	0.5	31	330	8.10	0.02
05S 31E 02CDA1	51	38	0.6	31	430	2.20	0.03
05S 31E 36DCB1	40	17	0.6	43	250	0.15	0.01
CASSIA COUNTY							
10S 21E 35 CCC1	40	46	0.3	48	320	1.90	0.03
10S 22E 26CCB1	93	52	0.4	44	530	10.0	0.06
10S 22E 31DDC1	75	87	0.2	44	480	2.90	0.03
10S 23E 20DCC2	74	71	0.2	52	430	3.90	0.03
11S 21E 05DAD1	58	52	0.2	45	340	1.90	0.01
11S 21E 26DAD1	26	49	0.2	49	290	2.30	0.04
11S 22E 27BCB1	36	48	0.3	58	350	2.00	0.07
11S 23E 04CBB1	57	42	0.2	44	430	6.20	0.09

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (MG/L AS CACO3)
CASSIA COUNTY							
11S 23E 04DDA1	422834113454901	05-22-86	1615	876	7.30	13.0	310
12S 22E 13DCC1	422224113481901	05-22-86	1400	474	7.30	17.0	200
12S 22E 18DDD1	422225113543901	05-29-86	1600	979	7.20	11.5	400
12S 22E 30AAA1	422132113544301	05-22-86	1100	640	7.10	12.0	260
12S 22E 32ACD1	422015113534601	05-29-86	1700	457	7.20	16.5	170
12S 23E 06DCC1	422412113484501	05-22-86	1500	873	7.20	14.0	390
12S 23E 15CCD1	422221113453301	05-29-86	1410	303	7.00	16.5	110
13S 23E 08BCC1S	421832113480401	05-30-86	0900	534	7.40	16.0	230
GOODING COUNTY							
08S 14E 21CCC1S	424239114494301	08-22-86	1200	360	7.90	15.0	170
JEROME COUNTY							
10S 18E 01DDD1	423439114171501	07-02-86	0940	613	9.00	42.0	5
TWIN FALLS COUNTY							
11S 20E 10DBC3	422848114054801	05-30-86	1100	877	7.70	14.0	280
13S 15E 01DAD1	421916114380801	07-30-86	0600	401	7.90	35.5	25

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT-I-FIER	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3
CASSIA COUNTY							
11S 23E 04DDA1	92	20	64	30	2	9.0	310
12S 22E 13DCC1	62	11	14	13	0.4	4.3	170
12S 22E 18DDD1	130	19	26	12	0.6	6.9	240
12S 22E 30AAA1	84	12	22	15	0.6	6.6	240
12S 22E 32ACD1	54	7.6	17	18	0.6	6.0	150
12S 23E 06DCC1	120	21	19	10	0.4	4.7	170
12S 23E 15CCD1	34	6.7	11	17	0.5	2.7	81
13S 23E 08BCC1S	72	13	21	16	0.6	3.7	200
GOODING COUNTY							
08S 14E 21CCC1S	38	17	21	21	0.7	3.7	--
JEROME COUNTY							
10S 18E 01DDD1	1.7	0.08	130	97	28	2.5	160
TWIN FALLS COUNTY							
11S 20E 10DBC3	48	38	74	36	2	4.6	310
13S 15E 01DAD1	9.4	0.42	82	86	7	3.5	160

QUALITY OF GROUND WATER

WATER QUALTIY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOCAL IDENT- I- FIER	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
CASSIA COUNTY							
11S 23E 04DDA1	55	34	0.2	48	510	15.0	0.10
12S 22E 13DCC1	19	43	0.2	43	290	1.30	0.07
12S 22E 18DDD1	56	96	0.2	38	510	5.80	0.04
12S 22E 30AAA1	30	29	0.2	37	370	5.20	0.07
12S 22E 32ACD1	20	27	0.3	55	280	1.20	0.04
12S 23E 06DCC1	40	140	0.1	37	490	6.10	0.09
12S 23E 15CCD1	11	24	0.2	37	180	0.81	0.01
13S 23E 08BCC1S	26	36	0.2	35	320	1.40	0.02
GOODING COUNTY							
08S 14E 21CCC1S	33	17	0.6	36	250	0.97	0.02
JEROME COUNTY							
10S 18E 01DDD1	28	36	26	60	410	<0.10	0.01
TWIN FALLS COUNTY							
11S 20E 10DBC3	73	30	0.5	47	500	5.20	0.03
13S 15E 01DAD1	28	7.6	4.8	54	290	<0.10	0.01

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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